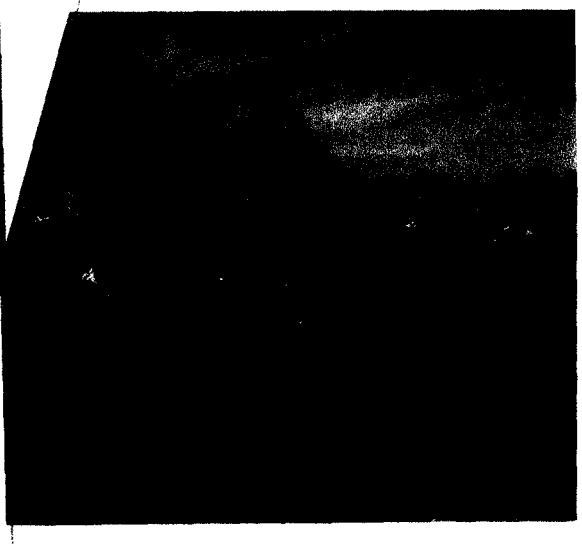
Former Kesler Mill/Fieldcrest Cannon Plant #7 Phase II Environmental Site Assessment (ESA)



Former Kesler Mill (Mill)/Fieldcrest Cannon Plant #7
423 N. Martin Luther King Jr. Avenue
Salisbury, North Carolina

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Phase II Environmental Assessment (ESA) Report

Former Kesler Mill (Mill)/Fieldcrest Cannon Plant #7
423 N. Martin Luther King Jr. Avenue
Salisbury, North Carolina 58, 32

Date:	February 16, 2016
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Report Signature

This Phase II ESA was overseen and/or performed by ATC Principal Scientist, Mr. David A. Hunter, P.G. (NC 1171). Mr. Hunter is a Professional Geologist (P.G.) with more than 28 years of experience in environmental practice. He has managed and/or otherwise been directly involved in hundreds of environmental site assessments during this period.

David A. Hunter, P.G., NC Reg. 1171 — Date: 2/16/16 — Seal: DAH 2/16/16
Principal Scientist

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Commonly Used Acronyms

AAI	All Appropriate Inquiry
ABCA	Analysis of Brownfield Cleanup Alternatives
ACM	Asbestos Containing Material
AST	Aboveground Storage Tank
ASTM	American Society for Testing & Materials
BFA	Brownfields Agreement
BLS	Below Land Surface
Cardno	Cardno, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
EP	Environmental Professional
ERNS	Emergency Response Notification System
EPA	Environmental Protection Agency
ESA	Environmental Site Assessment
ESI	Expanded Site Inspection
FOIA	Freedom of Information Act
FIRM	Flood Insurance Rate Map
IC	Institutional Controls
LBP	Lead-Based Paint
LUST	Leaking Underground Storage Tank
MSL	Mean Sea Level
NCDEQ	North Carolina Department of Environmental Quality
NCGS	North Carolina Geologic Survey
NFRAP	No Further Remedial Action Plan
NPL	National Priority List
PA/SI	Preliminary Assessment/Site Inspection
PAH	Polynuclear Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyl
PPB	Parts per Billion
PPM	Parts Per Million
PRG	Preliminary Remediation Goal
QAPP	Quality Assurance Project Plan
RACM	Regulated Asbestos Containing Material
RBC	Risk Based Concentrations
RBSL	Risk Based Screening Level
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
SVOC	Semi-volatile Organic Compound
TAL	Target Analyte List
TMS	Tax Map Serial
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

Distribution List

This Phase II Environmental Site Assessment (ESA) for the Former Kesler Mill/Fieldcrest Cannon Plant #7 property in Salisbury, North Carolina will be distributed to the following representatives:

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Report Limitations

All work performed by Cardno was completed in accordance with generally accepted professional practices related to the nature of the work accomplished, in the same or similar localities, and at the time the services were performed. This report is for the specific application to the referenced project and for the exclusive use of the City of Salisbury, North Carolina. Cardno accepts no liability related to site environmental impact, regardless of the date of impact findings or occurrence.

1 Introduction

This Phase II Environmental Site Assessment (ESA) report details the assessment activities conducted in accordance with the Generic Quality Assurance Project Plan (QAPP) and the Site-specific QAPP Addendum 1 (Addendum) prepared for the Former Kesler Mill/Fieldcrest Cannon Plant #7 site located at 423 N. Martin Luther King Jr. Avenue in Salisbury, North Carolina (site/subject property). The assessment presented herein was conducted under a Brownfields Assessment Grant between the U.S. Environmental Protection Agency (EPA) and City of Salisbury (Grantee), EPA Cooperative Agreement No. BF-00D26514-0.

The Grantee intends to facilitate redevelopment of the subject property by investigating areas of environmental concern identified during a previous Phase I ESA. By clarifying the environmental conditions at the site via the Phase II ESA, the City can now develop a plan and secure necessary funding to clean up the property and render it safe for the future planned reuse. The Addendum was prepared to meet this goal in support of the potential redevelopment efforts.

The Addendum identified the current site conditions, site-specific methods of assessment, data quality assurance measures to be employed, program reporting requirements, and the certified analytical laboratory to be utilized. The Addendum also provided a schedule of implementation and included the property owner's contact information. The Addendum was considered supplementary to the Generic QAPP, submitted under separate cover. The Generic QAPP was prepared to outline broad data quality goals for all projects conducted under the Brownfields Program in Salisbury, North Carolina. The Generic QAPP and the Addendum were amended to reflect comments by EPA and the North Carolina Department of Environmental Quality (DEQ) technical reviewers, where necessary. Signed, executed copies of each document are on file with the Grantee and each agency for public review.

1.1 Purpose

The Grantee will use the information gathered from this assessment to better understand the site conditions as it moves toward redevelopment. The City has envisioned redeveloping the site for potential multi-family housing, commercial, and recreational uses. The Phase II ESA was performed to better define the extent of soil, sediment, and groundwater contamination on the site. This information is being used by stakeholders to help determine if and to what extent remediation is required or if further assessment is necessary.

1.2 Site Location & Description

The subject property consists of six parcels totaling 13.536-acres located at 423 N. Martin Luther King Jr. Avenue in Salisbury, North Carolina. A site vicinity map, consisting of the relevant portion of the United States Geological Survey (USGS) topographic map, Salisbury, NC quadrangle, is included for reference (**Figure 1**).

The subject property is currently owned by Fund for Community Support Incorporated and is located in an area of single-family residential housing. No structures are located on the site.

According to the USGS and the North Carolina Geologic Survey (NCGS), the subject property is located in the Piedmont Physiographic Province of North Carolina. The rock type at the site has been identified as granite. The shallow subsurface in most areas of the Piedmont contains residual soil overburden, including structure-free residuum, saprolite, and partially weathered rock (PWR) that derive from in-place weathering of the crystalline bedrock. Occasional areas containing recent deposits of alluvium in the uppermost subsurface are found near streams and rivers. Saprolite and PWR typically contain some relict structures from the original rock material. Depth to rock ranges from ground surface at occasional outcrops to depths of greater than 100 feet in areas of easily weathered rock.

According to the Groundwater Atlas of the United States, the most widespread aquifers in the Piedmont and Blue Ridge Provinces are the crystalline-rock and undifferentiated sedimentary-rock aquifers. Most of the rocks that compose these aquifers are crystalline metamorphic and igneous rocks of many types. The main types of crystalline rocks are coarse-grained gneisses and schists of various mineral composition; however, fine-grained rocks, such as phyllite and metamorphosed volcanic rocks, are common in places. The undifferentiated sedimentary-rock aquifers consist of tightly cemented, predominately clastic rocks, many of which grade into metamorphic rocks. Unconsolidated material called regolith overlies the crystalline-rock and undifferentiated sedimentary-rock aquifers almost everywhere. The regolith consists of saprolite, colluvium, alluvium, and soil. Saprolite is a blanket of decomposed or partially decomposed rock that is usually thick and clayey, and whose texture varies depending on the type of parent bedrock from which the saprolite is derived. Colluvium is weathered rock material that has slumped downward from hillsides. Alluvium consists mostly of water-transported sediment in stream valleys and channels. Because the regolith material varies greatly in thickness, composition, and grain size, its hydraulic properties also vary greatly.

Groundwater in the Piedmont Physiographic Province is typically found in unconfined or semi-confined conditions with a flow that generally mimics the topography. The USGS Topographic Map, Salisbury Quadrangle (**Figure 1**), indicates that groundwater is expected to follow the topography by flowing east towards a tributary to Town Creek.

1.3 Background

The subject property is the former location of the Kesler Manufacturing Company, which operated as a textile mill consisting of approximately 5,000 spindles. The former textile mill was then operated by J.W. Cannon which added a second mill building, office building, residential houses, and a store. The mill facility was operated by Cannon Mills Company in 1928 under the name Cannon Mill Plant #7. Cannon Mills Company was purchased by Fieldcrest Mills, Inc. in 1986, which was then purchased by Pillowtex in 1997. The facility was closed in August 2000, due to bankruptcy of Pillowtex. The former mill buildings have been razed, and no structures remain at the site.

Currently, the property is vacant, with former building concrete slabs and flooring and piles of building material in locations generally on the west side of the property. There is a chain-link fence around the property that is not fully secured in multiple locations. An access gate is located along N. Martin Luther King Jr. Avenue. Vegetation is growing through asphalt drive and concrete slab areas and is predominant in areas not covered by asphalt or concrete. The site topography gently slopes towards a tributary to Town Creek located on the eastern portion of the site. An aerial photograph of the property is included as **Figure 2.**

1.4 Previous Site Assessments

2013 Phase I ESA: Griffith completed a Phase I ESA of the subject property in August 2013. During the assessment, Griffith identified the following RECs associated with the subject property:

1) A 550-gallon gasoline UST was removed from the northern portion of the site on September 12, 1989. A release was documented to have occurred from the UST prior to its removal. Subsequent groundwater monitoring indicated petroleum impact to groundwater above North Carolina Groundwater Standards (2L Standards; Title 15A, NCAC, Subchapter 2L, Part .0202). The NCDEQ Mooresville Regional Office (MRO) issued a letter on July 15, 1992, stating that no further groundwater evaluation was required at the time. To date, a Letter of No Further Action (NFA) has not been issued for the release. The release and lack of NFA documentation constitutes a *REC*.

2) A 40,000-gallon #4 fuel oil UST and a 550-gallon #4 fuel oil day tank UST were removed from the center of the site on June 21, 1994. Releases were documented to have occurred from the USTs and product piping. On August 12, 1994, soil was excavated along the former product piping and day tank UST. Post-excavation sampling was performed and indicated that petroleum impact remained in the subsurface soils.

   An NFA was issued for the release on July 18, 2001, and accepted proposed remediation by natural attenuation. Due to the likely remaining presence of #4 fuel oil in the subsurface, the incident constitutes a *REC*.

3) On July 12, 2007, a release of approximately 8,000 gallons of #6 fuel oil occurred from a 15,000-gallon AST due to apparent vandalism. The AST supplied fuel oil to the boiler room area of the site. According to EPA information, the release flooded the boiler room and ran across the site into the sanitary sewer system and a tributary of Town Creek. Approximately 8,000 gallons of fuel oil were recovered from the boiler room by Shamrock Environmental on July 15 and 16, 2007. During recovery effort, fuel oil leaching to the tributary of Town Creek was also observed. Remediation of the tributary continued until August 2, 2007.

   A Notice of Violation (NOV) was issued to Southfund Properties of Atlanta, Georgia on July 27, 2007. The NOV required a written response documenting the proper disposal of impacted materials and post-remediation sampling results. No response to the NOV was identified in the NCDEQ MRO files. The likelihood of remaining subsurface impact from this incident constitutes a *REC*.

4) A PCB-impacted soil stockpile was identified at the site during the time of emergency response activities associated with the release from the 15,000-gallon AST. The origin of the PCBs was identified as an electrical transformer which was reported to have been vandalized prior to the AST release. The stockpile was reported to not have been secure and was exposed. No documentation of removal of the stockpile or post-removal sampling was identified. The potential presence of PCBs in the subsurface from the stockpile represents a *REC*.

5) The site was identified in the EDR Radius Report as a historical conditionally exempt small quantity generator of hazardous waste. Waste codes for the site included lead, benzene, tetrachloroethylene (PCE), and trichloroethylene (TCE). The possible presence of the identified compounds in the subsurface based on historic site use over an extended period constitutes a *REC*.

Subsequent to a review of historical documents, Cardno has identified two additional *RECs*. In the Phase I ESA appendices, a Site Profile provided by the EPA indicates the presence of an oil-water separator associated with the 2007 release from the 15,000-gallon AST. The Site Profile indicates that the spill flooded the boiler room, which contained a floor drain that fed to an on-site oil-water separator. The oil-water separator was observed to be filled with heating oil. The oil-water separator malfunctioned due to the fact it was not designed to accommodate such a high volume. Oil was observed to be seeping from the soils in proximity of the oil-water separator. Based on the information provided from the EPA, the presence and documented release from the oil-water separator constitutes a *REC*.

Former mill operations included two locations identified as mechanical shops and one location of former paint storage. The locations may have included the storage of potentially hazardous materials. The unknown nature of the locations and possible hazardous materials storage constitutes a *REC*.

2 Sampling Methodology & Results

The following sections outline the methodology used for collecting the environmental samples and the results of the investigation at the site. A Sample Locations Map depicting the locations of the soil borings, groundwater monitor wells, and tributary samples is included as **Figure 3**.

Any deviations from the SOW (Scope of Work) approved in the Addendum are detailed in the appropriate sections of this report.

Soil boring and well installation, equipment decontamination, and sample collection activities were conducted using best practices and the professional judgment of Cardno personnel in accordance with the USEPA Region 4 Science and Ecosystem Support Division (SESD) Field Branches Quality System and Technical Procedures. Careful handling of samples and equipment was observed throughout the sampling procedures to avoid cross contamination. Samples were kept at approximately four degrees centigrade (4° C) throughout the operation and during shipment to Prism Laboratories, Inc. (Prism) for analysis. Chain-of-custody forms were maintained during the shipping and handling process to document sample integrity. Copies of these forms are included with the laboratory analytical reports in **Appendix A**.

Assessment activities at the subject property included the collection of soil and groundwater samples from multiple areas across the site for laboratory analysis. Sediment and water samples were collected from the tributary on the eastern portion of the site. Also, structural debris samples were collected across the site for laboratory analysis for the presence of asbestos. A Limited Asbestos-Containing Materials (ACM) Survey Report, dated January 8, 2016, and submitted under separate cover, identified ACM in building debris in certain areas of the site.

2.1 Soil Samples

Under the supervision of Cardno personnel, six soil borings and 12 groundwater monitor wells were installed by a North Carolina-licensed driller (Terra Sonic International - #3287-B) in order to assess soil conditions across the property. The soil borings and wells were installed at the approximate locations depicted on **Figure 3**.

The samples were collected through a decontaminated stainless steel hand auger or use of a direct-push technology (DPT) rig to extract a continuous 5-foot long soil column into disposable cellulose acetate butyrate (CAB) core barrel liners dedicated for each location. Each soil column was characterized for soil lithology and screened for volatile organic compounds (VOCs) using Photoionization Detectors (PID) capable of reporting in parts per billion (ppb) and parts per million (ppm). Boring logs are provided in **Appendix B**. Two aliquots were collected from each soil column, one from approximately 0-1 feet below grade (surficial) and the other from the sample which displayed the highest PID reading; from approximately 4-6 feet below grade if no PID readings were observed; or from the deepest sample above groundwater if neither of the aforementioned conditions were met. Only one soil sample was collected at locations with very shallow groundwater. Each aliquot was analyzed for specific parameters based on its location on the property as listed in **Table 1A.**

2.2 Soil Samples SQAPP Deviations

Due to the proximity of the tributary in relation to proposed soil borings and monitor wells, Cardno eliminated one of the two originally proposed soil borings located adjacent to GW-5, and re-located proposed monitor well GW-5 further from the tributary. Cardno noted significant staining on floorboards on the southeastern portion of the site and added one soil boring in the area. The soil boring numbering sequence was changed based on the location modifications.

Two soil borings proposed for advancement within the former 15,000-gallon fuel oil AST containment were moved out of, and immediately adjacent to, the containment area. The containment consisted of approximately four foot high walls filled with water, mud, and cattails. Sampling within this containment area was not feasible.

Soil sample depths deviated from the SQAPP due to observed depths to water within borings. Samples were collected at shallower depths than originally proposed or eliminated completely, depending on depth to water in the specific location.

2.3 Soil Laboratory Results

The soil analytical data collected during the Phase II ESA are provided in the laboratory analytical reports included in **Appendix A**.

The laboratory analytical results were compared to the most stringent of carcinogenic and non-carcinogenic residential criteria for direct soil exposure, as listed in the EPA Regional Screening Levels (RSLs) for Chemical Contaminants at Superfund Sites (November 2015) using a target cancer risk of 1E-06 and hazard quotient of 1.0; most stringent of soil-to-groundwater and residential NCDEQ Maximum Soil Contaminant Concentrations (MSCC) (April 16, 2012); and most stringent of residential health-based and protection of groundwater NCDEQ Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals (PSRGs) (September

2015). Analytes detected in the soil samples and the comparisons to the screening values are presented in **Table 2A** and depicted in **Figures 4** and **5.**

2.3.1 Soil Sample Results—Metals

Soil samples collected in areas of former paint storage and mechanical shops were analyzed for TAL-Metals. Numerous metals were detected. The following findings are notable:

- Soil samples collected from approximately ground surface to 7-feet below grade at borings SB-2, SB-3, and GW-4 indicated concentrations of aluminum, arsenic, cobalt, manganese, and vanadium above RSLs and/or PSRGs. Although some levels exceeded the average background values noted in USEPA's Hazardous Waste Land Treatment Trace Chemical Element Content of Natural Soils table (1983), concentrations did not exceed common ranges noted by the USEPA in the same table. Calcium, iron, potassium, and sodium were identified in borings SB-2, SB-3, and GW-4 but are not included on the EPA trace elements table. Concentrations of these metals were compared to the North Carolina Department of Environment, Health and Natural Resources Geochemical Atlas of North Carolina (1993). Reported levels of calcium, potassium, and sodium fall within general background concentration ranges identified in the area of the site. Reported concentrations of iron generally exceeded the atlas' indicated range but the predominant clay soil at the site may be the source of elevated iron levels. Most samples collected from SB-2, SB-3, and GW-4 exhibited similar metals concentrations with generally no higher than one order of magnitude variance. These findings generally suggest that the metals identified in the three boring locations represent natural, background concentrations.

- In addition to the metals identified in samples collected from SB-2, SB-3, and GW-4, concentrations above RSLs and/or PSRGs of antimony, cadmium, selenium, silver, and thallium were indicated in samples collected from boring GW-7. Some levels exceeded the EPA's average background values and concentrations of cadmium, cobalt, selenium, and silver generally significantly exceeded the maximum value of the common background range. Concentrations of thallium were reported in boring GW-7 but were absent from other samples at the site. Cardno believes these results are suggestive of impact from previous activities associated with the paint storage and mechanical shop areas, and additional assessment of metals at the site may be warranted.

2.3.2 Soil Sample Results—Volatile Organic Compounds (VOCs)

All soil samples, with the exception of those collected in the vicinity of the former fuel oil AST, were analyzed for VOCs. Low concentrations of acetone were detected at various locations and sample depths. Due to the ubiquitous nature of acetone and lack of other identified compounds in soil at the site, it is possible the compound is an artifact of the interaction of preservative with naturally occurring organic compounds. Low levels of naphthalene and trichlorofluoromethane were reported in soil samples GW-2 and GW-3. These samples were not located in areas of known or suspected historic site activity and may be a result of historic releases to the environment through improper waste disposal. No reported VOC concentration exceeded the EPA RSL, DEQ MSCC, and IHSB screening values, and no significance is attributed to these findings.

2.3.3 Soil Sample Results—Semi-Volatile Organic Compounds (SVOCs)

All soil samples, with the exception of those collected in the vicinity of the former gasoline UST, were analyzed for SVOCs. Concentrations of SVOCs, predominantly PAHs, were detected at various locations across the site. Elevated levels of PAHs above screening values were found in the following locations:

- Potential former oil/water separator area: Samples SB-1 and GW-5. Numerous PAHs were detected above residential RSLs, NCDEQ MSCCs, and IHSB PSRGs. Elevated concentrations are likely a result of the 2007 fuel oil release that reportedly flooded the oil/water separator.

- Former mechanical shops and paint storage area (and downgradient): Samples SB-2, SB-3, GW-4, and GW-7. Numerous PAHs were detected above residential RSLs, NCDEQ MSCCs, and IHSB PSRGs. One sample located downgradient of the former mechanical shop and paint storage area contained only 1-Methylnapthalene above the PSRG.

- Former 15,000-gallon #6 fuel oil AST area: Samples SB-4, SB-5, and GW-8. Numerous PAHs were detected above residential RSLs, NCDEQ MSCCs, and IHSB PSRGs in surficial (0-1 feet below grade) samples collected from each location near the reported 2007 release area.

- Former building stained floor area: Sample SB-6. Numerous PAHs were detected above residential RSLs and NCDEQ MSCCs in the surficial sample.

- General site conditions: Samples GW-2, GW-3, GW-6, GW-9, GW-10, and GW-12. Numerous PAHs were detected above residential RSLs, NCDEQ MSCCs, and IHSB PSRGs across the site, with the exception of GW-12 which contained minimal PAH concentrations below screening levels.

- Former transformer sub-station area: Sample GW-11. Benzo(a)pyrene and benzo(b)fluoranthene were detected above the MSCC and RSL, respectively in the surficial soil sample.

2.3.4 Soil Sample Results—Polychlorinated Biphenyls (PCBs)

Several soil sample locations were selected for PCBs analysis based on operating history and potential of PCB use at specific locations on the property. PCBs were not detected above laboratory reporting limits or method detection limits in samples collected at the site.

2.3.5 Soil Sample Results—Diesel and Gasoline Range Organics (DRO/GRO)

Soil samples collected in former petroleum UST, AST, and oil/water separator areas were analyzed for Total Petroleum Hydrocarbons (TPH) GRO and/or DRO, depending on the type of petroleum stored in the particular vessel. Concentrations of DRO above the NCDEQ reporting limit of 10 mg/kg were identified in surficial soils in the areas of the former fuel oil AST and associated oil/water separator, which were both impacted by the 2007 release.

2.4 Groundwater Monitor Well Installation and Sampling

Following collection of soil samples at locations GW-1 through GW-12, twelve (12), two-inch diameter, polyvinyl chloride (PVC) monitoring wells were installed using a DPT rig fitted with hollow-stem augers. Well depths ranged from approximately 11 to 30 feet below grade and each well was installed with an appropriate length of 0.010-inch screen section to bracket the water table. The annular space within the borings was filled with well-graded, pre-washed silica sand from the total depth to approximately one to two feet above the screen, and the sand pack was capped by a bentonite seal. Grout was then used to fill the remaining length of annular space. Each well was secured with locked well caps. Wells GW-1 and GW-7 were secured at the surface with flush-mount, eight-inch diameter, steel manhole covers and two-foot square concrete pads. Wells GW-2 through GW-6 and GW-8 through GW-12 were installed with five-foot long, aboveground, steel well protectors with hinged covers and two-foot square concrete pads. Well construction information is provided in **Table 3**. The wells were allowed to equilibrate prior to purging and sample collection. The sample locations are depicted on **Figure 3**. **Table 1B** provides a summary of sample locations and analytical methods for the respective location.

2.5 Groundwater Samples SQAPP Deviations

Water from wells that were proposed for metals analysis (GW-4 and GW-7) was purged and sampled using low-flow techniques in an effort to reduce turbidity, which has the potential for affecting metals analytical results. The remaining wells were purged and sampled using dedicated disposable bailers, as was prescribed in the SQAPP.

The SQAPP proposed collection of two soil and two groundwater duplicate samples for laboratory analysis. The groundwater duplicate samples were not collected.

2.6 Groundwater Laboratory Results

The groundwater analytical data collected during the Phase II ESA are provided in the laboratory analytical reports included in **Appendix A.**

The laboratory analytical results were compared to the North Carolina Groundwater Quality Standards (2L Standards) and Gross Contamination Levels (GCLs) provided in Title 15A NCAC 02L.0202 (April 2013 and September 2014) and 10 times the most stringent of freshwater and human health surface water standards provided in Title 15A NCAC 02B.0100 or EPA National Criteria (May 2013). Analytes detected in groundwater and the comparisons to screening values are presented in **Table 2B** and **Figures 4** and **5**.

2.6.1 Groundwater Sample Results— Metals

Samples were collected for TAL-metals analysis from monitor wells GW-4 and GW-7, located in the vicinity of former mechanical shops and paint storage. Groundwater samples collected from wells GW-4 and GW-7 indicated concentrations of aluminum, cobalt, iron, and manganese above 2L Standards and/or 10 times 2B Standards. Concentrations of aluminum and manganese were compared to the North Carolina Department of Environment, Health and Natural Resources Hydrogeochemical Atlas of North Carolina (1993) and were within general background concentration ranges identified in the area of the site. These concentrations may therefore be indicative of natural, background levels.

Iron was identified in soil and groundwater collected from GW-7. The concentrations may be indicative of impact from former site use but are more likely a result of natural levels due to predominant clayey lithology.

Cobalt was identified in soil and groundwater collected from GW-4. The soil concentrations of cobalt in boring GW-4 are assumed to be naturally-occurring. The concentration of cobalt in groundwater was minimal, possibly localized, and is not considered site environmental impact.

Although care was taken to minimize sample turbidity, laboratory analysis of turbid groundwater samples often results in elevated metals concentrations as a result of naturally-occurring metals dissolving off of soil particles entrained in the sample due to the interaction with acidic preservative. There is potential that metals identified in site groundwater were a result of sample turbidity.

2.6.2 Groundwater Sample Results—VOCs

Samples were collected from each monitor well for VOCs analysis, with the exception of well GW-8, located in the vicinity of the fuel oil AST. The concentration of 1,1-DCA reported in well GW-6 exceeded the 2L Standard. Low concentrations below screening levels of other chlorinated solvents were observed across the site.

2.6.3 Groundwater Sample Results—SVOCs

Samples were collected from the site wells for SVOCs (including PAH) analysis, with the exception of well GW-1, located in the vicinity of the former gasoline UST. No SVOCs were detected in site groundwater samples.

2.6.4 Groundwater Sample Results—PCBs

Samples were collected from well GW-11 for PCBs analysis. PCBs were not detected in the groundwater sample.

2.6.5 Groundwater Sample Results—DRO/GRO

Groundwater samples collected in areas of former petroleum UST, AST, and oil/water separator areas were analyzed for TPH GRO and/or DRO, depending on the type of petroleum stored in the particular vessel. Concentrations of GRO and DRO were not detected in the groundwater samples.

2.7 Tributary Samples

Surface water and sediment samples were collected from the Tributary of Town Creek. Samples of sediment and surface water were analyzed at four points from the section of the tributary which flows through the subject property. Sediment samples were collected using a decontaminated stainless steel hand auger and surface water samples were collected directly into the laboratory-provided sample containers. Samples were collected from downstream to upstream and sediment was collected after surface water to avoid sampling-induced turbidity and associated bias. Surface water and sediment sample locations are indicated on **Figure 3**. Sample analyses were completed as indicated in **Tables 1A** and **1B.**

2.8 Tributary Samples SQAPP Deviations

Tributary samples were collected as proposed in the SQAPP. Deviations to the work plan were not necessary.

2.9 Tributary Laboratory Results

The analytical data collected from the tributary during the Phase II ESA are provided in the laboratory analytical reports included in **Appendix A**.

The sediment laboratory analytical results were compared to the most stringent of carcinogenic and non-carcinogenic residential criteria for direct soil exposure, as listed in the EPA RSLs for Chemical Contaminants at Superfund Sites (November 2015) using a target cancer risk of 1E-06 and hazard quotient of 1.0; most stringent of soil-to-groundwater and residential NCDEQ MSCCs (April 16, 2012); and most stringent of residential health-based and protection of groundwater NCDEQ IHSB PSRGs (September 2015). The surface water laboratory analytical results were compared to the most stringent of freshwater and human health surface water standards provided in Title 15A NCAC 02B.0100 or EPA National Criteria (May 2013). Analytes detected in the tributary samples and the comparisons to the screening values are presented in **Tables 2C** and **2D** and depicted in **Figures 4** and **5.**

2.9.1 Tributary Sample Results—VOCs

Each sediment and surface water sample was analyzed for VOCs. Low concentrations of acetone, below the MSCC and PSRG, were detected in each of the sediment samples. No other VOC compounds were detected in the sediment samples. Low levels of 1,1-DCA, 1,1-DCE, chloromethane, chloroform, and bromodichloromethane, most of which were identified in site groundwater, were reported in the surface water samples. The reported results did not exceed 2B Standards.

2.9.2 Tributary Sample Results—SVOCs

Each sediment and surface water sample was analyzed for SVOCs. Concentrations of SVOCs were not reported in the surface water samples above laboratory reporting limits or method detection limits. Concentrations of SVOCs, specifically PAHs, were detected in sediment at each sample location. Elevated levels of PAHs that were identified in site soil were found in sediment along the tributary at concentrations that exceeded MSCCs and RSLs.

2.9.3 Tributary Sample Results—PCBs

The tributary sediment samples were analyzed for PCBs analysis based on operating history and potential of PCB use at specific locations on the property. PCBs were not detected above laboratory reporting limits or method detection limits in the four sediment samples.

3 Receptor Evaluation / Pathways for Contaminant Transport

Available information suggests that receptors are unlikely to be negatively impacted by contamination on the site via overland flow in the site's current configuration. Groundwater flow and direct exposure have the potential to represent complete pathways for contaminant transport to receptors.

3.1 Overland Surface Water Runoff

The surface water runoff over the site will predominately flow to the east and southeast to the tributary to Town Creek, located along the eastern portion of the property, and to Town Creek, located south of the site. The tributary continues to flow unimpeded to the southeast for approximately 1,500 feet before flowing into Town Creek. Due to poor accessibility, the tributary is unlikely to be used for fishing or water supply anywhere along its length. The larger Town Creek is classified by the NCDEQ as a Class C surface water body and therefore likely has no recreational, fishing, or other use. Surface water samples collected from the tributary indicated minor concentrations below applicable 2B Standards of solvents and compounds that form when chlorine is added to drinking water and react with other naturally occurring substances in water, such as decomposing plant material.

3.2 Groundwater

Groundwater at the site was generally observed at shallow depths, even rising to ground surface in a location adjacent to the tributary during a rain event. Water table depths increased uphill towards the western portion of the site. Although it is unlikely groundwater would be used at the site, the shallow water table is easily accessible beneath the ground surface. Additionally, though limited dissolved contaminants at the site do not warrant significant concern for receptors, the deep or bedrock aquifer, which may contain higher contaminant concentrations and would be the target depth for water supply wells, was not investigated during this assessment. Restrictions to groundwater use at the site may be justified.

3.3 Direct On-site Exposure

The Phase II ESA identified concentrations of several metals, SVOCs, and TPH DRO above risk-based screening values in the surface and shallow soils on-site. These levels are of concern for ingestion and dermal contact on-site. Multiple areas of the property are not covered by impermeable surface, and surficial and shallow soils are therefore easily accessible. Relatively low levels of metals and VOCs were reported in shallow groundwater at the site which is also easily accessible though unlikely to be accessed.

The on-site ACM survey confirmed the presence of ACM in certain areas of former building debris and rubble dispersed across the site. It is unknown whether the asbestos has migrated down into the soil.

The property is vacant with a chain-link fence surrounding the property. It is not completely secure from trespassers. In the site's current configuration, direct exposure is expected to be minimal and only to occasional trespassers.

3.4 Direct Off-site Exposure

It was beyond the scope of this ESA to evaluate contaminant levels off of the subject property, but Cardno believes there to be little on-going contaminant migration to off-site areas. Groundwater impact is expected to migrate downgradient towards the on-site tributary and, subsequently, downstream towards Town Creek. However, whether due to contaminant dilution or lack of mobility, minimal surface water impact was identified within the subject property boundaries during the Phase II ESA. Although contaminant levels increased in the downstream direction, the relatively low concentrations do not suggest that concentrations of concern exist further downgradient, off-site. Unknown deeper aquifer impact has the potential to move off-

site, somewhat unpredictably within bedrock fractures. Exposure to this deeper aquifer water would only be expected through bedrock water supply wells.

If undisturbed, the identified asbestos at the site is not expected to migrate. The debris piles themselves may act as somewhat of a windbreak to retard dispersal of site contaminants into nearby neighborhoods. During debris removal activity, ambient air sampling and material testing and wetting is recommended in order to detect and restrict any potential asbestos that may migrate off-site via air transport.

4 Potential Pathways for Future Contaminant Exposure

4.1 Soils

The site is currently vacant and there is therefore limited exposure potential to contaminants in soils at the site. However, direct exposure to the contaminants detected in surficial and subsurface soils can occur during site development and construction activities in the future. Cardno believes that site development should be planned and engineered to minimize future exposure to contaminants.

4.2 Groundwater

The metals and VOCs detected in groundwater collected from the monitor wells are suggestive of a dissolved phase plume of relatively low concentrations. A water supply well survey was not conducted during the Phase II ESA, but Cardno has historically identified water supply wells within the vicinity of the site during investigations associated with other properties. It is unknown whether vicinity water supply wells are in use, a deeper aquifer plume exists, or potential supply wells may intersect impact from the site. Therefore, complete pathways for off-site groundwater exposure are unknown at this time. The identified shallow groundwater impact at the site is unlikely to be accessed and is not considered a complete pathway for exposure.

4.3 Surface Water

Site runoff and groundwater may carry contaminants to surface waters. Minimal impact was identified in the tributary at the site. Although contaminant concentrations increased downstream, levels were well below applicable 2B Standards and Cardno believes concentrations will be sufficiently diluted once the tributary intersects Town Creek. Additionally, Town Creek and the tributary are considered Class C surface water bodies by the NCDEQ and are therefore unlikely to be used for fishing, recreation, etc.

4.4 Sediment

Impact by SVOCs was identified in tributary sediment at the site. Concentrations of SVOCs generally increased in the downstream direction between SS-1 and SS-3 but reduced slightly in sample SS-4, located at the downstream property boundary. Although the exposure pathway is unlikely due to inaccessibility of the creek.

4.5 Vapor Intrusion (Indoor Air)

There are no structures currently on the site and vapor intrusion is not a current pathway for exposure. The USEPA's Office of Solid Waste and Emergency Response (OSWER) Vapor

Intrusion Screening Level Groundwater to Indoor Air Concentrations Calculator, Version 3.45 (November 2015) was used to determine if on-site dissolved contaminant concentrations may pose a vapor intrusion risk. Using the worst-case concentration for each identified VOC, a residential property-use scenario, a target carcinogenic risk of 1.0E-06, and a target hazard quotient of 1, chloroform and 1,1-DCA indicated carcinogenic risks in exceedance of the target level. However, this scenario was particularly conservative as a target carcinogenic risk of 1.0E-06 is not currently advised by the USEPA or the State of North Carolina. A target of 1.0E-05, or more likely 1.0E-04, would be more appropriate, and the calculated combined risks do not exceed these target levels. However, due to the known impact by solvents at the site, additional testing may be warranted in the footprint of any buildings planned for the site, or redevelopment plans should explore pre-emptive engineering controls to minimize potential vapor intrusion.

5 Data Quality

The Generic QAPP and Site-specific QAPP Addendum for this assessment set forth the procedures and methods for data collection and defined the specific procedures and adjustments necessary to maintain data quality to support project decisions. The Phase II ESA required both field and laboratory checks to monitor conformance to project quality limits. Sample duplicates, equipment blanks, trip blanks, and field blanks were analyzed in order to help evaluate data quality. Soil duplicate data are presented in **Table 4** alongside their corresponding samples.

5.1 Quality Control Samples: Field, Trip, and Equipment Blanks

One (1) equipment blank and one (1) trip blank were collected concurrent with the soil sample collection event of November 4 through 6, 2015. Two (2) field blanks, one (1) equipment blank, and one (1) trip blank were collected concurrent with the groundwater sample collection event of November 10 through 13, 2015.

No concentrations of analyzed compounds were reported in the blank samples above the laboratory reporting limit or method detection limit.

5.2 Property Specific Corrective Actions

A field methods audit was not conducted during the field work for this site; however, the field practices were conducted in a method consistent with the methodology of the QAPP documents, relevant standard operating procedures, and professional judgment.

5.3 Quality Control Parameters

To assess whether quality assurance (QA) objectives for this project have been achieved, the following quality control (QC) parameters were considered: precision, accuracy, representativeness, comparability, completeness, and sensitivity.

5.3.1 Precision

As described in the SQAPP, precision is evaluated using the relative percent difference (RPD) between an actual sample and a duplicate sample. A comparison of the sample duplicates and their corresponding sample results was made to evaluate the reproducibility of the sample

results based on the laboratory analysis and sample collection and transportation procedures. A summary of the comparison is included as **Table 4**.

For this comparison, if the duplicate or sample results are less than five times the reporting detection limit (RDL), the comparison is made by the absolute difference between the results (sample - duplicate). If the difference was less than twice the RDL, precision is considered "acceptable." If both the sample and duplicate results are greater than five times the RDL, the precision is assigned as specified in the SQAPP based on the %RPD (difference in results divided by the average of the results times 100).

These comparisons were conducted on the analytes detected at any concentration or estimated concentration in the following:

- GW-4 (5-7) and its corresponding Duplicate-01
- GW-5 (0-1) and its corresponding Duplicate-02

Concentrations of multiple metals and SVOCs were found to have slightly high to high variability between the samples and their duplicates. Cardno believes this is in part due to natural variations in grab-type soil samples combined with the small laboratory aliquots ultimately used for analysis. Manual mixing of soils may not sufficiently provide adequately homogeneous samples that would result in comparative analytical results. This is particularly true for metals analysis. Concentrations of naturally-occurring metals can vary depending on the soil type. Slightly different amounts of clay/sand/loam in samples, as typically occurs when collecting duplicate samples from saprolitic soils, results in disparate soil textures that resist blending together with manual mixing methods.

5.3.2 Accuracy

Accuracy is evaluated using a percent recovery measured in spiked and un-spiked samples. Accuracy is a function of the laboratory method. Parameters regarding accuracy are included in the lab reports provided by the laboratory included in **Appendix A**. The laboratory reported no deviations in the accuracy parameters that would affect the sample results.

5.3.3 Representativeness

Cardno has evaluated the representativeness of the Phase II ESA activities to document the degree to which the sample data accurately and precisely represents environmental conditions. Review of field methods and procedures indicated that sample collection, handling, and transportation, as well as the placement of sample locations with respect to potential sources of impact, were conducted in general accordance with the SQAPP.

5.3.4 Comparability

To produce comparable data, the units specified for analytical results obtained during the field activities are consistent throughout this project and standardized analytical methods have been used for each parameter.

5.3.5 Completeness

Laboratory analysis was completed on each of the samples collected in the field and submitted for analysis. Laboratory completeness was determined to be 100%.

5.3.6 Sensitivity

Laboratory RDLs and method detection limits (MDLs) were sufficient to report concentrations below regulatory standards for the majority of analytes. Some samples required dilution due to matrix interferences. Data qualifiers included potential high biases due to elevated continuing calibration verification and estimated concentrations above the instrument's calibration range. However, it is Cardno's opinion that the dilutions and data qualifiers do not affect the project objectives.

5.4 Laboratory Data Evaluation

The laboratory completed validation and verification of laboratory processes and data, and delivered a laboratory report to the Cardno Project Manager. The laboratory report and the QC information provide documentation of compliance with the SQAPP.

Data usability determination is also a part of data evaluation. Within any matrix it is likely that certain samples may have parameters that require qualifier codes. Prism includes various qualifiers, listed in **Tables 2A** through **2D,** when presenting data. No qualifier codes were identified that exclude a data point from being usable.

In reviewing the laboratory results, several analytes are reported as detections with "J" data qualifiers, indicating the reported value is an estimate reported within the 95% confidence interval. These compounds were detected above the MDL, but below the RDL. The MDL is the lowest concentration at which an analyte can be detected in a sample by the particular laboratory method used. "Detected" indicates that the analyte can be distinguished from the blank with reasonable certainty. The RDL (also called practical quantitation limit, or PQL) is approximately five times the MDL or the lower calibration standard, whichever is higher. Results above the report limit can be distinguished from the blank and fall within applicable standard curves. For the purposes of this assessment, all "J" qualified data are considered acceptable for making site management decisions.

6 Discussion and Conclusions

This Phase II ESA was performed in order to determine if contaminants exist at the site as a result of historical property uses identified during a Phase I ESA. The decision rule outlined in the Data Quality Objectives (DQOs) for this brownfields project, as presented in the Addendum, indicates that additional assessment and/or an Analysis of Brownfield Cleanup Alternatives (ABCA) should be prepared to evaluate remedial action and/or institutional controls in the event that analytes are observed in site media at concentrations exceeding regulatory limits.

Naturally-occurring metals were found in soils collected in the areas of the former paint shop and mechanical shops. Concentrations of aluminum, arsenic, cobalt, iron, manganese, vanadium, calcium, potassium, and sodium in borings SB-2, SB-3, and GW-4 likely represent natural, background concentrations based on local data provided by the EPA and State of North

Carolina. However, concentrations of cadmium, cobalt, selenium, silver, and thallium significantly exceeded common background ranges and additional assessment may be warranted to further delineate the extent of contamination. Concentrations of metals identified in site groundwater are potentially a result of sample turbidity and naturally-occurring, background levels.

Concentrations of VOCs identified in site soils and sediment are not considered significant. Concentrations of multiple chlorinated solvents were identified in groundwater and surface water below screening levels. The concentration of 1,1-DCA in well GW-6 was reported above the 2L Standard. Additional assessment or pre-emptive engineering controls may be warranted at the site, particularly in the area of GW-6, to assess or minimize the potential for vapor intrusion caused by identified VOCs. Groundwater-use restrictions at the site and a receptor survey in the vicinity of the site may be warranted based on identified chlorinated solvent impact.

Concentrations of PCBs were not identified above laboratory reporting limits or method detection limits in samples collected at the site.

Concentrations of TPH DRO above the screening level were identified in soils near the former oil/water separator and fuel oil AST, and seem to be a result of former site use. Additional assessment in these areas is recommended to delineate the extent of impact.

Concentrations of numerous PAHs above screening levels were distributed in soils across the property. Concentrations of elevated PAHs which may have originated from the site were also identified in site sediment. However, these compounds were not reported in site groundwater or surface water samples. Additional assessment of PAHs in soil and sediment may be warranted to delineate the extent of impact.

The findings of this assessment indicate that shallow site soils and groundwater have been impacted, ACM exists at the site, and a potential exposure risk from constituents exists if the site is to be redeveloped. Therefore, the preparation of an ABCA or other form of cleanup plan is warranted.

7 References

Cardno. *Site-specific QAPP Addendum 1 for Brownfields Phase II ESA - Revision 0.* Former Kesler Mill/Fieldcrest Cannon Plant #7 Site, Salisbury, NC, July 17, 2015

Griffith Enterprises. Phase I Environmental Site Assessment Report, Former Kesler Mill/Fieldcrest Cannon Plant #7, Salisbury, North Carolina. August 14, 2013.

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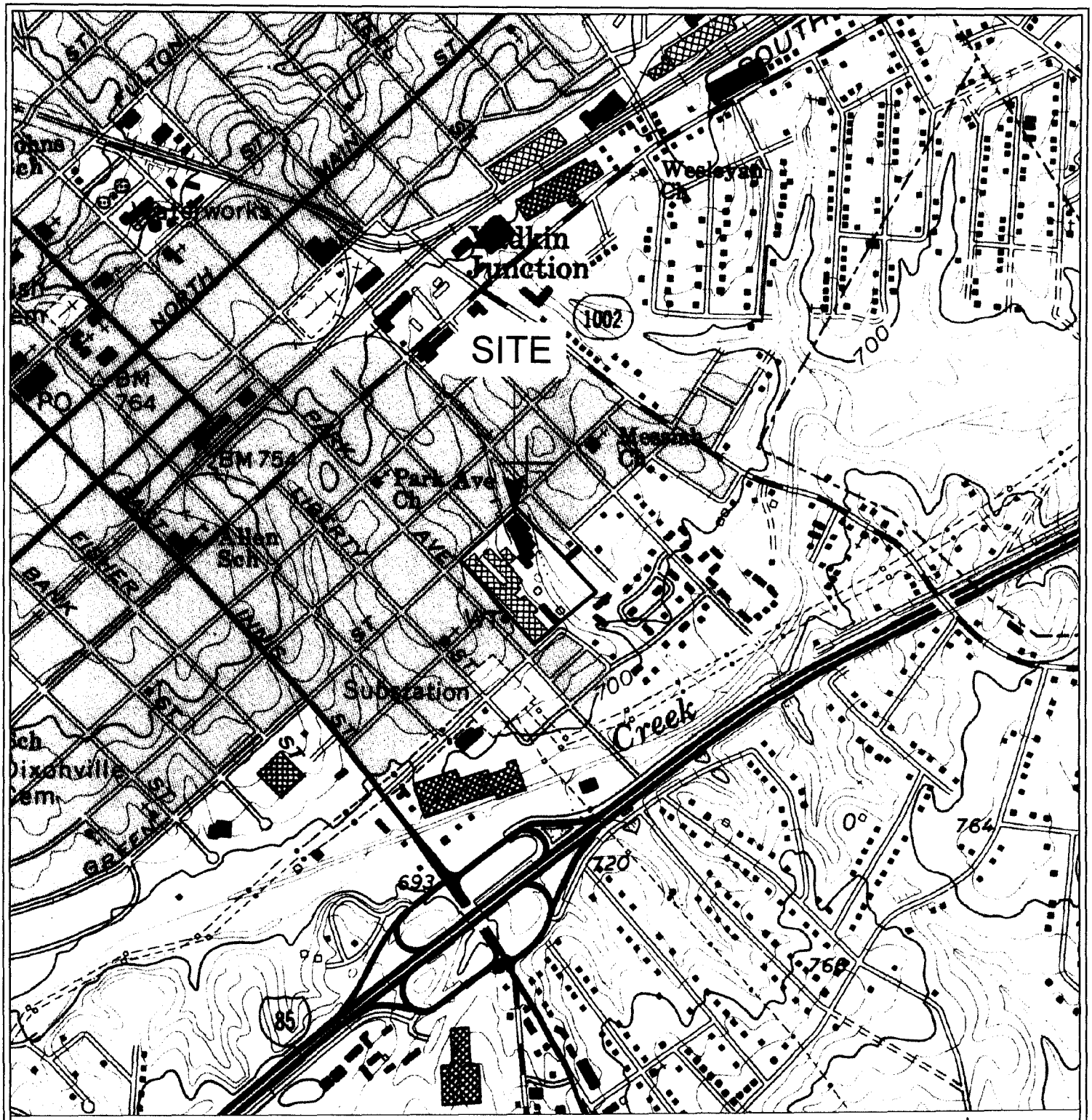
USEPA Region 4. SESD, Field Branches Quality System and Technical Procedures. February 2008.

USEPA Regional Screening Levels Master Table. November 2015.

North Carolina Department of Environment, Health and Natural Resources, Geochemical Atlas of North Carolina, 1993.

USEPA. Hazardous Waste Land Treatment Trace Chemical Element Content of Natural Soils. 1983

FIGURES



TITLE FIGURE 1
TOPOGRAPHIC SITE LOCATION
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

Cardno
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7606 WHITEHALL EXECUTIVE CENTER DRIVE, STE 800, CHARLOTTE, NC 28273
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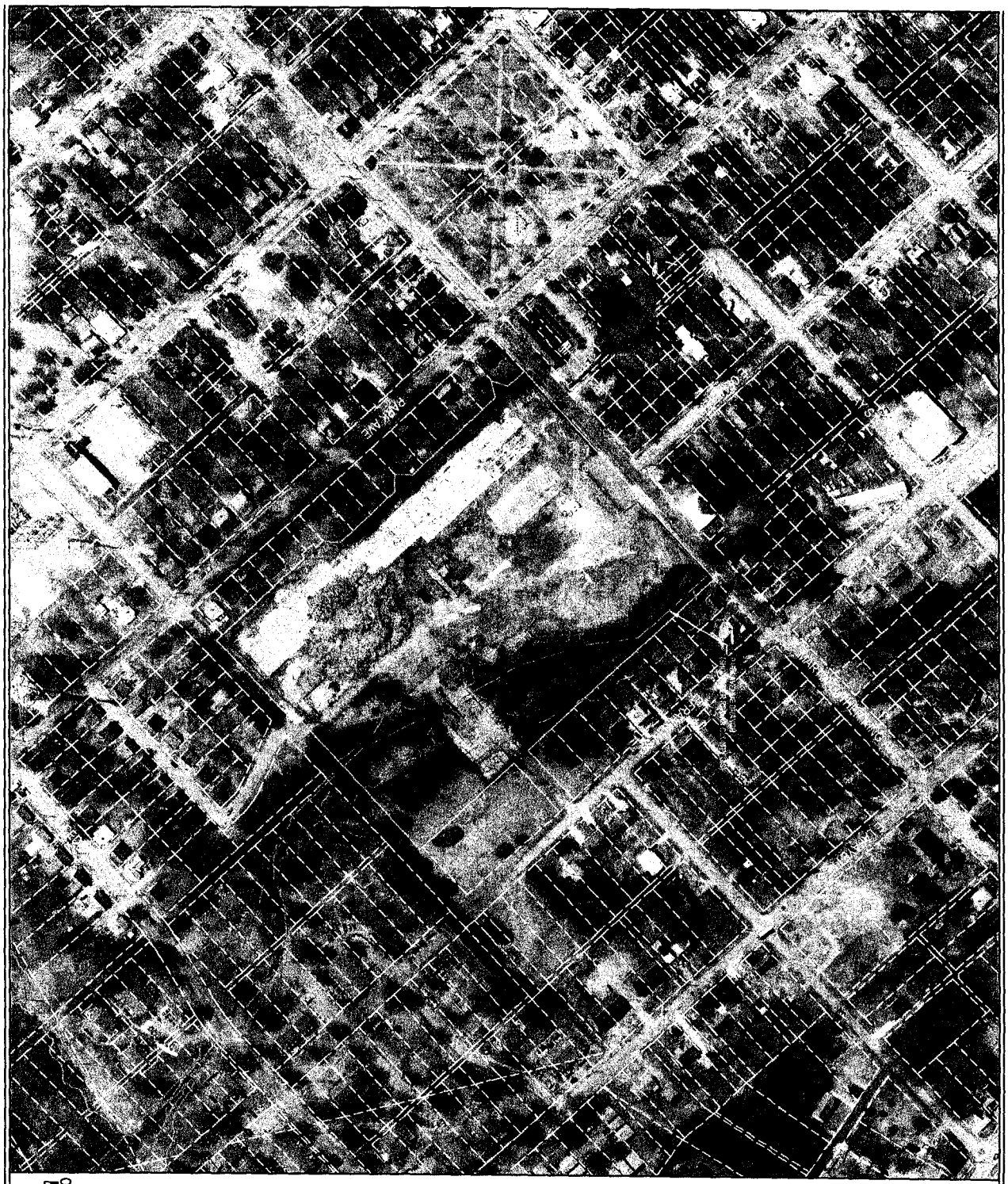
CAD FILE	TYPE CODE	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
		AD	DH	AS SHOWN	6.9.15	PB0010900



0 100 200 400

APPROXIMATE SCALE IN FEET

NC GRID NAD83(2011)

LEGEND

SUBJECT PROPERTY LINE
ADJOINER PROPERTY LINE
CENTERLINE BRANCH (CB)

NOTES:

FIGURE 2
AERIAL SITE MAP
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

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LEGEND

- SUBJECT PROPERTY LINE
- ADJOINER PROPERTY LINE
- CENTERLINE BRANCH (GIS)
- GROUND WATER MONITORING WELL LOCATION
- SOIL BORING LOCATION
- CREEK SAMPLE LOCATION

NADB3(2011) NC GROUND

0 50 100 200
APPROXIMATE SCALE IN FEET

NOTES

FIGURE 3
SAMPLE LOCATIONS MAP
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

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NOTES:

1. For soil, concentrations in **BOLD** indicate concentrations above the Residential RSL. Concentrations not in bold indicate concentrations above the IHSB PSRG. Note: some RSLs and PSRGs are equivalent.
2. For groundwater, concentrations in **BOLD** indicate concentrations above NC 2L Standards. Concentrations not in bold indicate concentrations greater than 10 x NC 2B Standards.

FIGURE 4
METALS CONCENTRATIONS MAP
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

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PB0010900		CS	JM	AS SHOWN	12.28.2015	PB0010900

NOTES:

1. For soil, concentrations in BOLD indicate concentrations above the Residential RSL or NCDEQ reporting limit. Concentrations in *ITALICS* indicate concentrations above the most stringent of Soil-to-Groundwater and Residential MSCCs. Concentrations not in bold indicate concentrations above the IHSB PSRG. Note: some RSLs and PSRGs are equivalent.
2. For groundwater, concentrations in BOLD indicate concentrations above NC 2L Standards.

FIGURE 5
ORGANICS CONCENTRATIONS MAP
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

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PB0010900		CS	JM	AS SHOWN	12.28.2015	PB0010900

NOTES.

FIGURE 6
GROUNDWATER ELEVATION CONTOUR MAP
FORMER KESLER MILL
423 NORTH MARTIN LUTHER KING JR. AVENUE
SALISBURY, NORTH CAROLINA

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CAD FILE	SITE ID	PREP. BY	REV. BY	SCALE	DATE	PROJECT NO.
PB0010900		CS	JM	AS SHOWN	12.28.2015	PB0010900

TABLES

TABLE 1A: SOIL, SEDIMENT, AND DEBRIS SAMPLES LOCATIONS AND ANALYSIS MATRIX
KESLER MILL

Location Description	Sample ID	Sample Depth (feet below grade)	Analytical Parameters						
			Asbestos	Metals	VOCs	SVOCs	PCBs	DRO	GRO
Former 550-Gallon Gasoline UST	GW-1	0-1 & 2-4			X				X
General site conditions	GW-2	0-1 & 2-4			X	X			
	GW-3	0-1 & 4-6							
	GW-6	0-1 & 2-4							
	GW-9	0-1 & 4-6							
	GW-10	0-1 & 6-8							
	GW-12	0-1 & 4-6							
Potential Former Oil/Water Separator	SB-1	0-2			X	X	X	X	X
	GW-5	0-1							
Former Paint Storage	SB-2	0-2 & 2-4		X	X	X	X		
Former Mechanical Shops	SB-3	0-2 & 2-4		X	X	X	X		
	GW-4	0-1 & 5-7							
Downgradient location from former paint storage and mechanical shop	GW-7	0-1 & 2-4		X	X	X	X		
Former 15,000-Gallon #6 Fuel Oil AST	SB-4	0-1 & 4-6				X	X	X	
	SB-5	0-1 & 2-4							
	GW-8	0-1 & 4-6							
Former Transformer Sub-Station	GW-11	0-1			X	X	X		
Former Building Stained Flooring	SB-6	0-1 & 2-4			X	X	X		
Tributary of Town Creek	SS-1	0.5			X	X	X		
	SS-2	0.5							
	SS-3	0.5							
	SS-4	0.5							
Roofing	S-1A,B,C	N/A	X						
	S-4A,B,C								
	S-5A,B,C								
	S-6A,B,C								
	S-8A,B,C								
	S-9A,B,C								
	S-11A,B,C								

TABLE 1A: SOIL, SEDIMENT, AND DEBRIS SAMPLES LOCATIONS AND ANALYSIS MATRIX
KESLER MILL

Location Description	Sample ID	Sample Depth (feet below grade)	Analytical Parameters						
			Asbestos	Metals	VOCs	SVOCs	PCBs	DRO	GRO
Felt	S-2A,B,C S-18A,B,C	N/A	X						
Transite Shingle	S-3A,B,C	N/A	X						
Unknown Materials	S-7A,B,C S-14A,B,C,D,E,F,G	N/A	X						
Tile	S-10A,B S-12A,B S-13A,B	N/A	X						
Shingles	S-15A,B,C S-16A,B,C S-17A,B,C	N/A	X						

Notes:
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
GRO = Gasoline Range Organics
DRO = Diesel Range Organics

TABLE 1B: GROUNDWATER AND SURFACE WATER SAMPLES LOCATIONS AND ANALYSIS MATRIX
KESLER MILL

Location Description	Sample ID	Sample Depth (feet below grade)	Analytical Parameters					
			Metals	VOCs	SVOCs	PCBs	DRO	GRO
Former 550-Gallon Gasoline UST	GW-1	11.5		X				X
General site conditions	GW-2 GW-3 GW-6 GW-9 GW-10 GW-12	7 12.5 8 16.5 17.5 21.5		X	X			
Potential Former Oil/Water Separator	GW-5	6		X	X		X	X
Former Mechanical Shops	GW-4	16.5	X	X	X			
Downgradient location from former paint storage and mechanical shop	GW-7	10.5	X	X	X			
Former 15,000-Gallon #6 Fuel Oil AST	GW-8	12.5			X		X	
Former Transformer Sub-Station	GW-11	7		X	X	X		
Tributary of Town Creek	SS-1 SS-2 SS-3 SS-4	N/A		X	X			

Notes:
VOCs = Volatile Organic Compounds
SVOCs = Semi-volatile Organic Compounds
PCBs = Polychlorinated Biphenyls
GRO = Gasoline Range Organics
DRO = Diesel Range Organics

TABLE 2A: ANALYTES DETECTED IN SOIL
KESLER MILL, NOVEMBER 4-6, 2015

All Metals Results in mg/kg

METALS

		MSCC		Former Paint Storage Area								Former Mechanical Shop Areas												Downgradient of Former Paint Storage and Mechanical Shop Areas							
				SB-2 (0-2)	QC Qualifier	RL	MDL	SB-2 (2-4)	QC Qualifier	RL	MDL	SB-3 (0-2)	QC Qualifier	RL	MDL	SB-3 (2-4)	QC Qualifier	RL	MDL	GW-4 (0-1)	QC Qualifier	RL	MDL	GW-4 (5-7)	QC Qualifier	RL	MDL	GW-7 (0-1)	QC Qualifier	RL	MDL	GW-7 (2-4)	QC Qualifier	RL	MDL
Aluminum	77000	nsl	15000		BH, E	3.1	0.42		BH, E	3.2	0.43		BH, E	3.2	0.44		BH, E	3.4	0.46			660	89			680	90			640	86			640	87
Antimony	31	nsl	6.2	BRL		0.31	0.048	BRL		0.32	0.050	BRL		0.32	0.051	BRL		0.34	0.053	BRL		0.33	0.052	BRL		0.33	0.052			0.32	0.050			0.32	0.050
Arsenic	0.68	nsl	0.68			0.31	0.068			0.32	0.070			0.32	0.071			0.34	0.075			0.33	0.073			0.33	0.074			0.32	0.071			0.32	0.071
Barium	15000	280	580	67		0.61	0.33	110		0.63	0.34	71		0.64	0.34	110		0.68	0.36	18		0.66	0.35	79		0.68	0.35	96		0.64	0.34	78		0.64	0.34
Beryllium	160	nsl	32	0.89		0.31	0.010	0.96		0.32	0.011	0.96		0.32	0.011	1.0		0.34	0.011	BRL		0.33	0.011	0.99		0.33	0.011	31		0.32	0.011	31		0.32	0.011
Cadmium	71	nsl	3.0	0.31		0.31	0.0085	BRL		0.32	0.0067	BRL		0.32	0.0068	0.53		0.34	0.0072	BRL		0.33	0.0069	0.37		0.33	0.0070			0.32	0.0068			0.32	0.0068
Calcium	nsl	nsl	nsl	970		12	0.80	910		13	0.82	1300		13	0.84	1500		14	0.88	290		13	0.85	850		13	0.86	930		13	0.83	630		13	0.83
Chromium	nsl	nsl	nsl	29		0.31	0.042	27		0.32	0.043	25		0.32	0.044	18		0.34	0.046	22		0.33	0.045	30		0.33	0.045	55		0.32	0.043	57		0.32	0.044
Cobalt	23	nsl	0.90			0.31	0.0096			0.32	0.0096			0.32	0.010			0.34	0.011			0.33	0.010			0.33	0.010			0.32	0.0099			0.32	0.010
Copper	3100	nsl	620	67		0.61	0.11	55		0.63	0.11	62		0.64	0.11	43		0.68	0.12	1.1		0.66	0.11	55		0.66	0.12	85		0.64	0.11	90		0.64	0.11
Iron	55000	nsl	150		BH, E	6.1	1.8		BH, E	6.3	1.8		BH, E	6.4	1.9		BH	6.6	2.0			1300	380			1300	390			1300	370			1300	370
Lead	400	270	270	18		0.31	0.032	18		0.32	0.033	8.7		0.32	0.034	42		0.34	0.036	9.3		0.33	0.034	13		0.33	0.035	37		0.32	0.034	38		0.32	0.034
Magnesium	nsl	nsl	nsl	960		3.1	0.33	880		3.2	0.34	1000		3.2	0.35	780		3.4	0.37	690		3.3	0.36	1100		3.3	0.36	1300		640	89	1600		3.2	0.35
Manganese	1800	nsl	65		E	0.31	0.056		E	0.32	0.058			0.32	0.059			0.34	0.062	9.1		0.33	0.060			0.33	0.061			64	12			64	12
Nickel	1500	nsl	130	7.1		0.61	0.058	9.1		0.63	0.059	8.2		0.64	0.060	8.0		0.68	0.063	3.3		0.66	0.061	8.8		0.66	0.062	42		0.64	0.060	40		0.64	0.060
Potassium	nsl	nsl	nsl	680		15	1.5	780		16	1.5	750		16	1.6	430		17	1.7	440		16	1.6	770		17	1.6	1700		16	1.6	1400		16	1.6
Selenium	390	nsl	2.1	BRL		0.61	0.045	BRL		0.63	0.046	BRL		0.64	0.047	BRL		0.68	0.049	BRL		0.66	0.048	BRL		0.66	0.048			0.64	0.046			0.64	0.047
Silver	390	0.25	3.4	BRL		0.31	0.0050	BRL		0.32	0.0052	BRL		0.32	0.0053	BRL		0.34	0.0055	BRL		0.33	0.0054	BRL		0.33	0.0054			0.32	0.0052			0.32	0.0053
Sodium	nsl	nsl	nsl	74	Ab, B	18	0.54	74	Ab, B	19	0.55	80	Ab, B	19	0.56	77	Ab, B	20	0.59	53		20	0.57	70		20	0.58	670		19	0.56	670		19	0.56
Thallium	0.78	nsl	0.16	BRL		0.61	0.044	BRL		0.63	0.046	BRL		0.64	0.047	BRL		0.68	0.049	BRL		0.66	0.047	BRL		0.66	0.048			0.64	0.046			0.64	0.046
Vanadium	390	nsl	6.0			0.31	0.010			0.32	0.011			0.32	0.011			0.34	0.011			0.33	0.011			0.33	0.011			0.32	0.011			0.32	0.011
Zinc	23000	nsl	1200	39		3.1	0.037	36		3.2	0.038	36		3.2	0.039	130		3.4	0.041	7.7		3.3	0.040	36		3.3	0.040	91		3.2	0.039	91		3.2	0.039
Mercury	11	nsl	1.0	0.060		0.024	0.0016	0.038		0.025	0.0016	0.077		0.027	0.0018	0.090		0.027	0.0018	0.084		0.024	0.0016	0.045		0.025	0.0016	0.057		0.026	0.0017	0.066		0.024	0.0016

All Organic Results in mg/kg

VOCs

		MSCC		Potential Former Oil/Water Separator Area				Former Paint Storage Area				Former Mechanical Shop Areas																			
				SB-1 (0-2)	QC Qualifier	RL	MDL	GW-5 (0-1)	QC Qualifier	RL	MDL	SB-2 (0-2)	QC Qualifier	RL	MDL	SB-2 (2-4)	QC Qualifier	RL	MDL	SB-3 (0-2)	QC Qualifier	RL	MDL	SB-3 (2-4)	QC Qualifier	RL	MDL	GW-4 (0-1)	QC Qualifier	RL	MDL	GW-4 (5-7)	QC Qualifier	RL	MDL
Acetone	61000	24	24	0.083		0.057	0.0014	BRL		0.065	0.0016	BRL		0.047	0.0011	BRL		0.043	0.0011	BRL		0.048	0.0012	BRL		0.047	0.0011	BRL		0.054	0.0013	BRL		0.057	0.0014
Naphthalene	3.8	0.16	0.21	BRL		0.011	0.00018	BRL		0.013	0.00021	BRL		0.0094	0.00015	BRL		0.0067	0.00014	BRL		0.0096	0.00015	BRL		0.0094	0.00015	BRL		0.011	0.00017	BRL		0.011	0.00018
Trichlorofluoromethane	23000	29	24	BRL		0.0057	0.00037	BRL		0.0065	0.00042	BRL		0.0047	0.00030	BRL		0.0043	0.00028	BRL		0.0048	0.00031	BRL		0.0047	0.00030	BRL		0.0054	0.00035	BRL		0.0057	0.00037

		MSCC		Former Building Stained Floor Area								Former 550-Gallon Gasoline UST Area								General Site Conditions											
				SB-6 (0-1)	QC Qualifier	RL	MDL	SB-6 (2-4)	QC Qualifier	RL	MDL	GW-1 (0-1)	QC Qualifier	RL	MDL	GW-1 (2-4)	QC Qualifier	RL	MDL	GW-2 (0-1)	QC Qualifier	RL	MDL	GW-2 (2-4)	QC Qualifier	RL	MDL	GW-3 (0-1)	QC Qualifier	RL	MDL	GW-3 (4-6)	QC Qualifier	RL	MDL
Acetone	61000	24	24	BRL		0.050	0.0012	BRL		0.059	0.0014	0.092		0.058	0.0014	BRL		0.056	0.0014	0.052		0.047	0.0011	BRL		0.047	0.0011	BRL		0.049	0.0012	BRL		0.053	0.0013
Naphthalene	3.8	0.16	0.21	BRL		0.010	0.00016	BRL		0.012	0.00019	BRL		0.012	0.00018	BRL		0.011	0.00018	0.027		0.0094	0.00015	BRL		0.0094	0.00015	BRL		0.0097	0.00015	0.0039	J	0.011	0.00017
Trichlorofluoromethane	23000	29	24	BRL		0.0050	0.00032	BRL		0.0059	0.00038	BRL		0.0056	0.00038	BRL		0.0056	0.00036	0.0020	J	0.0047	0.00030	BRL		0.0047	0.00030	BRL		0.0049	0.00031	BRL		0.0053	0.00034

		MSCC		General Site Conditions																											
				GW-6 (0-1)	QC Qualifier	RL	MDL	GW-6 (2-4)	QC Qualifier	RL	MDL	GW-9 (0-1)	QC Qualifier	RL	MDL	GW-9 (4-6)	QC Qualifier	RL	MDL	GW-10 (0-1)	QC Qualifier	RL	MDL	GW-10 (6-8)	QC Qualifier	RL	MDL	GW-12 (0-1)	QC Qualifier	RL	MDL	GW-12 (4-6)	QC Qualifier	RL	MDL
Acetone	61000	24	24	0.27		0.048	0.0012	0.079		0.062	0.0015	0.072		0.049	0.0012	0.11		0.054	0.0013	0.13		0.048	0.0012	BRL		0.054	0.0013	0.093		0.053	0.0013	BRL		0.065	0.0016
Naphthalene	3.8	0.16	0.21	BRL		0.0096	0.00015	BRL		0.012	0.00020	BRL		0.0098	0.00015	BRL		0.011	0.00017	BRL		0.0095	0.00015	BRL		0.011	0.00017	BRL		0.011	0.00017	BRL		0.013	0.00020
Trichlorofluoromethane	23000	29	24	BRL		0.0048	0.00031	BRL		0.0062	0.00040	BRL		0.0049	0.00032	BRL		0.0054	0.00035	BRL		0.0048	0.00031	BRL		0.0054	0.00035	BRL		0.0053	0.00034	BRL		0.0065	0.00042

		MSCC		Downgradient of Former Paint Storage and Mechanical Shop Areas								Former Transformer Sub-Station Area			
				GW-7 (0-1)	QC Qualifier	RL	MDL	GW-7 (2-4)	QC Qualifier	RL	MDL	GW-11 (0-1)	QC Qualifier	RL	MDL
Acetone	61000	24	24	BRL		0.044	0.0011	BRL		0.054	0.0013	0.10		0.056	0.0014
Naphthalene	3.8	0.16	0.21	BRL		0.0088	0.00014	BRL		0.011	0.00017	BRL		0.011	0.00018
Trichlorofluoromethane	23000	29	24	BRL		0.0044	0.00028	BRL		0.0054	0.00035	BRL		0.0056	0.00036

SVOCs

		MSCC		Potential Former Oil/Water Separator Area				Former Paint Storage Area				Former Mechanical Shop Areas																			
				SB-1 (0-2)	QC Qualifier	RL	MDL	GW-5 (0-1)	QC Qualifier	RL	MDL	SB-2 (0-2)	QC Qualifier	RL	MDL	SB-2 (2-4)	QC Qualifier	RL	MDL	SB-3 (0-2)	QC Qualifier	RL	MDL	SB-3 (2-4)	QC Qualifier	RL	MDL	GW-4 (0-1)	QC Qualifier	RL	MDL	GW-4 (5-7)	QC Qualifier	RL	MDL
1-Methylnaphthalene	18	0.004	0.055		J	0.42	0.081	BRL		0.42	0.081	BRL		0.41	0.080	BRL		0.41	0.080	BRL		0.42	0.082	BRL		0.43	0.084		J	0.42	0.082	BRL		0.45	0.066
2-Methylnaphthalene	240	3.6	1.6	0.34	J	0.42	0.067	BRL		0.42	0.067	BRL		0.41	0.066	BRL		0.41	0.066	BRL		0.42	0.068	BRL		0.43	0.070	0.15	J	0.42	0.068	BRL		0.45	0.071
Acenaphthene	3600	8.2	8.4	1.5		0.42	0.057	BRL		0.42	0.057	BRL		0.41	0.056	BRL		0.41	0.056	BRL		0.42	0.058	BRL		0.43	0.059	0.22	J	0.42	0.058	0.17	J	0.45	0.061
Acenaphthylene	nsl	11	21	BRL		0.42	0.061	BRL		0.42	0.061	BRL		0.41	0.060	BRL		0.41	0.060	BRL		0.42	0.061	BRL		0.43	0.063	0.87		0.42	0.061	0.74		0.45	0.065
Anthracene	18000	940	660	2.5		0.42	0.067	0.17	J	0.42	0.068	BRL		0.41	0.067	BRL		0.41	0.067	0.23	J	0.42	0.068	BRL		0.43	0.070	1.4		0.42	0.068	1.3		0.45	0.072
Benzo(a)anthracene	0.16	0.35	0.16	4.0		0.42	0.055	0.66		0.42	0.055	BRL		0.41	0.054	BRL		0.41	0.054	0.54		0.42	0.056		J	0.43	0.057	2.3		0.42	0.055	2.1		0.45	0.058
Benzo(a)pyrene	0.016	0.098	0.016	3.9		0.42	0.045	0.66		0.42	0.045	BRL		0.41	0.045	0.11	J	0.41	0.045	0.48		0.42	0.046	0.22	J	0.43	0.047	1.7		0.42	0.046	1.5		0.45	0.048
Benzo(b)fluoranthene	0.16	0.88	0.16	4.6		0.42	0.049			0.42	0.049	BRL		0.41	0.048	0.16	J	0.41	0.048			0.42	0.049		J	0.43	0.050	2.2		0.42	0.049	2.0		0.45	0.052
Benzo(g,h,i)perylene	nsl	469	7800	2.2		0.42	0.046	0.43		0.42	0.046	BRL		0.41	0.045	BRL		0.41	0.045	0.25	J	0.42	0.047	0.13	J	0.43	0.048	0.85		0.42	0.046	0.77		0.45	0.049
Benzo(k)fluoranthene	1.6	9	1.6			0.42	0.055	0.44		0.42	0.055	BRL		0.41	0.054	BRL		0.41	0.054	0.26	J	0.42	0.056	BRL		0.43	0.057	0.92		0.42	0.056	0.64		0.45	0.058
Benzoic Acid	250000	120	130	0.22	J	0.42	0.035	BRL		0.42	0.035	BRL		0.41	0.035	BRL		0.41	0.035	BRL		0.42	0.036	BRL		0.43	0.037	BRL		0.42	0.036	BRL		0.45	0.038
Chrysene	16	39	16	3.7		0.42	0.053	0.76		0.42	0.053	BRL		0.41	0.052	0.14	J	0.41	0.052	0.49		0.42	0.053	0.26	J	0.43	0.055	1.8		0.42	0.053	1.7		0.45	0.056
Dibenzo(a,h)anthracene	0.016	0.098	0.016	0.51		0.42	0.051	0.11	J	0.42	0.051	BRL		0.41	0.050	BRL		0.41	0.050	BRL		0.42	0.052	BRL		0.43	0.053	0.24	J	0.42	0.052	0.22	J	0.45	0.054
Dibenzofuran	73	4.7	5.2	0.80		0.42	0.064	BRL		0.42	0.064	BRL		0.41	0.063	BRL		0.41	0.063	BRL		0.42	0.065	BRL		0.43	0.066	0.42		0.42	0.064	0.34	J	0.45	0.068
Fluoranthene	2400	290	330	8.4		0.42	0.053	1.3		0.42	0.053	BRL		0.41	0.053	0.28	J	0.41	0.053	1.1		0.42	0.054	0.36	J	0.43	0.055	4.6		0.42	0.054	4.2		0.45	0.057
Fluorene	2400	47	56	0.99		0.42	0.060	BRL		0.42	0.060	BRL		0.41	0.060	BRL		0.41	0.059	BRL		0.42	0.061	BRL		0.43	0.062	0.36	J	0.42	0.061	0.25	J	0.45	0.064
Indeno(1,2,3-cd)pyrene	0.16	0.88	0.16	2.4		0.42	0.048			0.42	0.048	BRL		0.41	0.048	BRL		0.41	0.048		J	0.42	0.049	0.13	J	0.43	0.050	0.92		0.42	0.049			0.45	0.051
Naphthalene	3.8	0.16	0.21			0.42	0.067	BRL		0.42	0.067	BRL		0.41	0.067	BRL		0.41	0.067	BRL		0.42	0.068	BRL		0.43	0.070	0.18	J	0.42	0.068	0.13	J	0.45	0.072
Phenanthrene	nsl	56	68	7.3		0.42	0.054	0.82		0.42	0.054	BRL		0.41	0.054	0.24	J	0.41	0.054	0.71		0.42	0.055	0.19	J	0.43	0.057	4.5		0.42	0.055	3.6		0.45	0.058
Pyrene	1800	270	220	7.3		0.42	0.055	1.2		0.42	0.055	BRL		0.41	0.055	0.24	J	0.41	0.055	0.97		0.42	0.056	0.40	J	0.43	0.058	4.0		0.42	0.056	3.6		0.45	0.059

Cardno
Shaping the Future

TABLE 2A: ANALYTES DETECTED IN SOIL
KESLER MILL, NOVEMBER 4-6, 2015

SVOCs

		MSCC (mg/kg)		Former 15,000-Gallon #6 Fuel Oil AST Area																Former Building Stained Floor Area							
				SB-4 (0-1)	QC Qualifier	RL	MDL	SB-4 (4-6)	QC Qualifier	RL	MDL	SB-5 (0-1)	QC Qualifier	RL	MDL	SB-5 (2-4)	QC Qualifier	RL	MDL	GW-8 (0-1)	QC Qualifier	RL	MDL	SB-6 (0-1)	QC Qualifier	RL	MDL	SB-6 (2-4)	QC Qualifier	RL	MDL
1-Methylnaphthalene	18	0.004	0.055	[redacted]	J	0.42	0.082	BRL		0.48	0.092	[redacted]	J	0.40	0.077	BRL		0.51	0.098	[redacted]		0.42	0.082	BRL		0.44	0.086	BRL		0.44	0.084
2-Methylnaphthalene	240	3.6	1.6	0.17	J	0.42	0.068	BRL		0.48	0.076	0.14	J	0.40	0.064	BRL		0.51	0.082	0.63		0.42	0.068	BRL		0.44	0.071	BRL		0.44	0.070
Acenaphthene	3600	8.2	8.4	BRL		0.42	0.056	BRL		0.48	0.065	BRL		0.40	0.054	BRL		0.51	0.069	BRL		0.42	0.058	0.18	J	0.44	0.060	BRL		0.44	0.059
Acenaphthylene	nsl	11	21	BRL		0.42	0.061	BRL		0.48	0.069	BRL		0.40	0.058	BRL		0.51	0.074	BRL		0.42	0.061	BRL		0.44	0.064	BRL		0.44	0.063
Anthracene	18000	940	660	0.22	J	0.42	0.058	BRL		0.48	0.077	BRL		0.40	0.064	BRL		0.51	0.082	BRL		0.42	0.068	0.50		0.44	0.072	BRL		0.44	0.070
Benzo(a)anthracene	0.16	0.35	0.16	1.1		0.42	0.055	BRL		0.48	0.062	[redacted]	J	0.40	0.052	BRL		0.51	0.067	[redacted]	J	0.42	0.055	1.1		0.44	0.058	BRL		0.44	0.057
Benzo(a)pyrene	0.016	0.088	0.016	0.97		0.42	0.046	BRL		0.48	0.052	0.29	J	0.40	0.043	BRL		0.51	0.055	0.17	J	0.42	0.046	1.0		0.44	0.048	BRL		0.44	0.047
Benzo(b)fluoranthene	0.16	0.88	0.16	1.2		0.42	0.049	BRL		0.48	0.055	[redacted]		0.40	0.046	BRL		0.51	0.059	[redacted]	J	0.42	0.049	1.3		0.44	0.052	BRL		0.44	0.051
Benzo(g,h,i)perylene	nsl	469	7800	0.44		0.42	0.048	BRL		0.48	0.052	BRL		0.40	0.044	BRL		0.51	0.056	BRL		0.42	0.046	0.58		0.44	0.049	BRL		0.44	0.048
Benzo(k)fluoranthene	1.6	9	1.6	0.46		0.42	0.056	BRL		0.48	0.062	BRL		0.40	0.052	BRL		0.51	0.067	0.11	J	0.42	0.056	0.41	J	0.44	0.058	BRL		0.44	0.057
Benzoic Acid	250000	120	130	BRL		0.42	0.036	BRL		0.48	0.040	BRL		0.40	0.034	BRL		0.51	0.043	0.30	J	0.42	0.036	BRL		0.44	0.037	BRL		0.44	0.037
Chrysene	16	39	16	1.0		0.42	0.053	BRL		0.48	0.060	0.37	J	0.40	0.050	BRL		0.51	0.064	0.25	J	0.42	0.053	1.1		0.44	0.056	BRL		0.44	0.055
Dibenzo(a,h)anthracene	0.016	0.088	0.016	BRL		0.42	0.052	BRL		0.48	0.058	BRL		0.40	0.049	BRL		0.51	0.062	BRL		0.42	0.052	BRL		0.44	0.054	BRL		0.44	0.053
Dibenzofuran	73	4.7	5.2	BRL		0.42	0.064	BRL		0.48	0.072	BRL		0.40	0.061	BRL		0.51	0.078	0.17	J	0.42	0.064	0.13	J	0.44	0.068	BRL		0.44	0.068
Fluoranthene	2400	290	330	1.9		0.42	0.054	0.13	J	0.48	0.061	0.60		0.40	0.051	BRL		0.51	0.065	0.36	J	0.42	0.054	2.6		0.44	0.057	BRL		0.44	0.056
Fluorene	2400	47	56	BRL		0.42	0.061	BRL		0.48	0.068	BRL		0.40	0.057	BRL		0.51	0.073	BRL		0.42	0.061	0.18	J	0.44	0.064	BRL		0.44	0.063
Indeno(1,2,3-cd)pyrene	0.16	0.88	0.16	[redacted]		0.42	0.049	BRL		0.48	0.055	BRL		0.40	0.048	BRL		0.51	0.059	BRL		0.42	0.049	[redacted]		0.44	0.051	BRL		0.44	0.050
Naphthalene	3.8	0.18	0.21	0.14	J	0.42	0.068	BRL		0.48	0.077	0.11	J	0.40	0.064	BRL		0.51	0.082	[redacted]		0.42	0.068	BRL		0.44	0.071	BRL		0.44	0.070
Phenanthrene	nsl	56	68	0.85		0.42	0.055	BRL		0.48	0.062	0.42		0.40	0.052	BRL		0.51	0.066	0.52		0.42	0.055	1.8		0.44	0.058	BRL		0.44	0.057
Pyrene	1800	270	220	1.6		0.42	0.056	BRL		0.48	0.063	0.53		0.40	0.053	BRL		0.51	0.067	0.33	J	0.42	0.056	2.3		0.44	0.059	BRL		0.44	0.058

		MSCC (mg/kg)		General Site Conditions																											
				GW-2 (0-1)	QC Qualifier	RL	MDL	GW-2 (2-4)	QC Qualifier	RL	MDL	GW-3 (0-1)	QC Qualifier	RL	MDL	GW-3 (4-6)	QC Qualifier	RL	MDL	GW-6 (0-1)	QC Qualifier	RL	MDL	GW-6 (2-4)	QC Qualifier	RL	MDL	GW-9 (0-1)	QC Qualifier	RL	MDL	GW-9 (4-6)	QC Qualifier	RL	MDL
1-Methylnaphthalene	18	0.004	0.055	[redacted]	J	0.42	0.081	BRL		0.42	0.080	[redacted]	J	0.42	0.082	BRL		0.47	0.091	BRL		0.40	0.078	[redacted]	J	0.42	0.082	BRL		0.43	0.083	BRL		0.43	0.083
2-Methylnaphthalene	240	3.6	1.6	0.25	J	0.42	0.067	BRL		0.42	0.067	0.42		0.42	0.068	0.14	J	0.47	0.076	BRL		0.40	0.065	0.14	J	0.42	0.068	BRL		0.43	0.069	BRL		0.43	0.069
Acenaphthene	3600	8.2	8.4	0.70		0.42	0.057	BRL		0.42	0.057	2.5		0.42	0.058	0.51		0.47	0.064	BRL		0.40	0.055	0.19	J	0.42	0.058	BRL		0.43	0.058	BRL		0.43	0.059
Acenaphthylene	nsl	11	21	0.17	J	0.42	0.061	BRL		0.42	0.060	0.13	J	0.42	0.061	BRL		0.47	0.069	BRL		0.40	0.059	BRL		0.42	0.061	0.13	J	0.43	0.062	BRL		0.43	0.062
Anthracene	18000	940	660	1.8		0.42	0.068	BRL		0.42	0.067	4.4		0.42	0.068	0.83		0.47	0.076	0.31	J	0.40	0.065	0.61		0.42	0.068	0.16	J	0.43	0.069	BRL		0.43	0.069
Benzo(a)anthracene	0.16	0.35	0.16	4.6		0.42	0.055	[redacted]	J	0.42	0.055	12		2.1	0.28	1.6		0.47	0.062	0.98		0.40	0.053	1.1		0.42	0.055	0.41	J	0.43	0.056	BRL		0.43	0.056
Benzo(a)pyrene	0.016	0.088	0.016	4.1		0.42	0.046	0.15	J	0.42	0.045	11		2.1	0.23	1.4		0.47	0.051	0.77		0.40	0.044	0.85		0.42	0.046	0.32	J	0.43	0.046	BRL		0.43	0.047
Benzo(b)fluoranthene	0.16	0.88	0.16	5.2		0.42	0.049	[redacted]	J	0.42	0.048	11		2.1	0.25	[redacted]	J	0.47	0.055	1.0		0.40	0.047	1.1		0.42	0.049	[redacted]	J	0.43	0.050	BRL		0.43	0.050
Benzo(g,h,i)perylene	nsl	469	7800	2.4		0.42	0.046	BRL		0.42	0.046	6.8		0.42	0.047	0.76	J	0.47	0.052	0.48		0.40	0.044	0.46		0.42	0.046	0.16	J	0.43	0.047	BRL		0.43	0.047
Benzo(k)fluoranthene	1.6	9	1.6	[redacted]		0.42	0.055	BRL		0.42	0.055	[redacted]		0.42	0.056	0.27	J	0.47	0.062	0.36	J	0.40	0.053	0.43		0.42	0.056	0.16	J	0.43	0.056	BRL		0.43	0.056
Benzoic Acid	250000	120	130	BRL		0.42	0.036	BRL		0.42	0.035	BRL		0.42	0.036	BRL		0.47	0.040	BRL		0.40	0.034	BRL		0.42	0.036	BRL		0.43	0.036	BRL		0.43	0.036
Chrysene	16	39	16	4.3		0.42	0.053	0.16	J	0.42	0.053	9.8		2.1	0.27	1.4		0.47	0.060	0.85		0.40	0.051	1.0		0.42	0.053	0.44		0.43	0.054	BRL		0.43	0.054
Dibenzo(a,h)anthracene	0.016	0.088	0.016	0.59		0.42	0.051	BRL		0.42	0.051	1.5		0.42	0.052	0.19	J	0.47	0.058	0.13	J	0.40	0.049	0.13	J	0.42	0.052	BRL		0.43	0.052	BRL		0.43	0.052
Dibenzofuran	73	4.7	5.2	0.36	J	0.42	0.064	BRL		0.42	0.063	0.80		0.42	0.064	0.24	J	0.47	0.072	BRL		0.40	0.062	0.18	J	0.42	0.064	BRL		0.43	0.065	BRL		0.43	0.065
Fluoranthene	2400	290	330	7.2		0.42	0.054	0.37	J	0.42	0.053	21		2.1	0.27	3.5		0.47	0.060	1.8		0.40	0.052	2.2		0.42	0.054	0.43		0.43	0.055	BRL		0.43	0.055
Fluorene	2400	47	56	0.61		0.42	0.061	BRL		0.42	0.060	1.5		0.42	0.061	0.33	J	0.47	0.068	BRL		0.40	0.058	0.22	J	0.42	0.061	BRL		0.43	0.062	BRL		0.43	0.062
Indeno(1,2,3-cd)pyrene	0.16	0.88	0.16	2.5		0.42	0.048	BRL		0.42	0.048	7.3		0.42	0.049	[redacted]		0.47	0.054	[redacted]		0.40	0.046	[redacted]		0.42	0.049	0.16	J	0.43	0.049	BRL		0.43	0.049
Naphthalene	3.8	0.18	0.21	[redacted]	J	0.42	0.068	BRL		0.42	0.067	[redacted]		0.42	0.068	0.18	J	0.47	0.076	BRL		0.40	0.065	0.15	J	0.42	0.068	BRL		0.43	0.069	BRL		0.43	0.069
Phenanthrene	nsl	56	68	5.2		0.42	0.055	0.25	J	0.42	0.054	14		2.1	0.28	3.1		0.47	0.062	1.3		0.40	0.053	2.1		0.42	0.055	0.31	J	0.43	0.056	BRL		0.43	0.056
Pyrene	1800	270	220	6.6		0.42	0.056	0.29	J	0.42	0.055	18		2.1	0.28	2.8		0.47	0.063	1.6		0.40	0.054	1.8		0.42	0.056	0.82		0.43	0.057	BRL		0.43	0.057

		MSCC (mg/kg)		General Site Conditions								Downgradient of Former Paint Storage and Mechanical Shop Area								Former Transformer Sub-Station Area							
				GW-10 (0-1)	QC Qualifier	RL	MDL	GW-10 (6-8)	QC Qualifier	RL	MDL	GW-12 (0-1)	QC Qualifier	RL	MDL	GW-12 (4-6)	QC Qualifier	RL	MDL	GW-7 (0-1)	QC Qualifier	RL	MDL	GW-7 (2-4)	QC Qualifier	RL	MDL	GW-11 (0-1)	QC Qualifier	RL	MDL
1-Methylnaphthalene	18	0.004	0.055	BRL		0.40	0.076	BRL		0.44	0.085	BRL		0.48	0.092	BRL		0.49	0.094	BRL		0.41	0.080	[redacted]	J	0.42	0.080	BRL		0.43	0.084
2-Methylnaphthalene	240	3.6	1.6	BRL		0.40	0.063	BRL		0.44	0.070	BRL		0.48	0.077	BRL		0.49	0.078	BRL		0.41	0.066	0.15	J	0.42	0.067	BRL		0.43	0.069
Acenaphthene	3600	8.2	8.4	BRL		0.40	0.054	BRL		0.44	0.060	BRL		0.48	0.065	BRL		0.49	0.067	BRL		0.41	0.056	BRL		0.42	0.057	BRL		0.43	0.059
Acenaphthylene	nsl	11	21	BRL		0.40	0.057	BRL		0.44	0.064	BRL		0.48	0.069	BRL		0.49	0.071	BRL		0.41	0.060	BRL		0.42	0.060	BRL		0.43	0.063
Anthracene	18000	940	660	BRL		0.40	0.064	BRL		0.44	0.071	BRL		0.48	0.077	BRL		0.49	0.079	BRL		0.41	0.067	BRL		0.42	0.067	BRL		0.43	0.070
Benzo(a)anthracene	0.16	0.35	0.16	[redacted]	J	0.40	0.052	BRL		0.44	0.057	BRL		0.48	0.063	BRL		0.49	0.064	BRL		0.41	0.054	BRL		0.42	0.055	BRL		0.43	0.057
Benzo(a)pyrene	0.016	0.088	0.016	0.18	J	0.40	0.043	BRL		0.44	0.048	BRL		0.48	0.052	BRL		0.49	0.053	BRL		0.41	0.045	BRL		0.42	0.045	0.15	J	0.43	0.047
Benzo(b)fluoranthene	0.16	0.88	0.16	[redacted]	J	0.40	0.046	BRL		0.44	0.051	BRL		0.48	0.056	0.13	J	0.49	0.057	BRL		0.41	0.048	BRL		0.42	0.048	[redacted]	J	0.43	0.050
Benzo(g,h,i)perylene	nsl	469	7800	0.11	J	0.40	0.043	BRL		0.44	0.048	BRL		0.48	0.053	BRL		0.49	0.054	BRL		0.41	0.045	BRL		0.42	0.048	BRL		0.43	0.048
Benzo(k)fluoranthene	1.6	9	1.6	0.12	J	0.40	0.052	BRL		0.44	0.058	BRL		0.48	0.063	BRL		0.49	0.064	BRL		0.41	0.054	BRL		0.42	0.055	BRL		0.43	0.057
Benzoic Acid	250000	120	130	0.16	J	0.40	0.033	BRL		0.44	0.037	BRL		0.48	0.040	BRL		0.49	0.041	BRL		0.41	0.035	BRL		0.42	0.035	0.13	J	0.43	0.037
Chrysene	16	39	16	0.19	J	0.40	0.050	BRL		0.44	0.056	BRL		0.48	0.060	BRL		0.49	0.062	BRL		0.41	0.052	BRL		0.42	0.052	0.18	J	0.43	0.055
Dibenzo(a,h)anthracene	0.016	0.088	0.016	BRL		0.40	0.048	BRL		0.44	0.053	BRL		0.48	0.058	BRL		0.49	0.060	BRL		0.41	0.050	BRL		0.42	0.051	BRL		0.43	0.053
Dibenzofuran	73	4.7	5.2	BRL		0.40	0.060	BRL		0.44	0.067	BRL		0.48	0.073	BRL		0.49	0.075	BRL		0.41	0.063	BRL		0.42	0.063	BRL		0.43	0.066
Fluoranthene	2400	290	330	0.39	J	0.40	0.050	BRL		0.44	0.056	BRL		0.48	0.061	0.24	J	0.49	0.063	BRL		0.41	0.053	0.12	J	0.42	0.053	0.30	J	0.43	0.055
Fluorene	2400	47	56	BRL		0.40	0.057	BRL		0.44	0.063	BRL		0.48	0.069	BRL		0.49	0.070	BRL		0.41	0.059	BRL		0.42	0.060	BRL		0.43	0.062
Indeno(1,2,3-cd)pyrene	0.16	0.88	0.16	0.12	J	0.40	0.045	BRL		0.44	0.050	BRL		0.48	0.055	BRL		0.49	0.056	BRL		0.41	0.047	BRL		0.42	0.048	BRL		0.43	0.050
Naphthalene	3.8	0.18	0.21	BRL		0.40	0.064	BRL		0.44	0.071	BRL		0.48	0.077	BRL		0.49	0.079	BRL		0.41	0.067	BRL		0.42	0.067	BRL		0.43	0.070
Phenanthrene	nsl	56	68	0.25	J	0.40	0.051	BRL		0.44	0.057	BRL		0.48	0.062	0.20	J	0.49	0.064	BRL		0.41	0.054	0.15	J	0.42	0.054	0.15	J	0.43	0.056
Pyrene	1800	270	220	0.33	J	0.40	0.052	BRL		0.44	0.056	BRL		0.48	0.063	0.19	J	0.49	0.065	BRL		0.41	0.055	0.12	J	0.42	0.055	0.27	J	0.43	0.057

TOTAL PETROLEUM HYDROCARBONS

		MSCC (mg/kg)		Potential Former Oil/Water Separator Area								Former 15,000-Gallon #6 Fuel Oil AST Area																			
				SB-1 (0-2)	QC Qualifier	RL	MDL	GW-5 (0-1)	QC Qualifier	RL	MDL	SB-4 (0-1)	QC Qualifier	RL	MDL	SB-4 (4-6)	QC Qualifier	RL	MDL	SB-5 (0-1)	QC Qualifier	RL	MDL	SB-5 (2-4)	QC Qualifier	RL	MDL	GW-8 (0-1)	QC Qualifier	RL	MDL	GW-8 (4-6)	QC Qualifier	RL	MDL
Diesel Range Organics	10	-	-	[redacted]		8.9	1.1	[redacted]		8.9	1.1	[redacted]		9.0	1.1	BRL		10	1.3	[redacted]		8.5	1.1	BRL		11	1.4	[redacted]		27	3.4	BRL		9.6	1.2

MSCCs: Maximum Soil Contaminant Concentrations, most stringent of soil-to-water and residential, revised 4/16/12
IHSB PSRG: Inactive Hazardous Sites Branch Preliminary Soil Remediation Goal, most stringent of residential health-based and protection of groundwater, revised September 2015
Residential Soil RSL: Risk-Based Screening Level, most stringent of carcinogenic and non-carcinogenic SL, revised November 2015
nsl: No Screening Level
BRL: Below Reporting Limit

BH: MB greater than one half the RL, but sample concentrations are > 10x the MB
E: estimated concentration above the calibration range
J: detected but below the RL; result is an estimated concentration
Ab: CCV recoveries are greater than upper control limit; result is reported with potential high bias

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TABLE 2B: ANALYTES DETECTED IN GROUNDWATER
KESLER MILL, NOVEMBER 10-13, 2015

All Metals Results in mg/L

	[redacted]	GCL (mg/L)	[redacted]	GW-4	QC Qualifier	RL	MDL	GW-7	QC Qualifier	RL	MDL
METALS											
Aluminum	nsl	nsl	0.087	BRL		0.10	0.038	[redacted]		0.10	0.038
Barium	0.7	700	2000	0.15		0.010	0.00070	0.12		0.010	0.00070
Calcium	nsl	nsl	nsl	1.2		0.20	0.023	42		0.20	0.023
Cobalt	nsl	nsl	0.0041	[redacted]		0.0050	0.000080	BRL		0.0050	0.000080
Copper	1	nsl	0.07	0.014		0.010	0.0019	0.019		0.010	0.0019
Iron	0.3	nsl	10.0	BRL		0.10	0.011	[redacted]		0.10	0.011
Magnesium	nsl	nsl	LD	1.4		0.10	0.0019	19		0.10	0.0019
Manganese	0.05	nsl	LD	[redacted]		0.010	0.0016	[redacted]		0.010	0.0016
Potassium	nsl	nsl	LD	3.2		0.50	0.047	2.6		0.50	0.047
Sodium	nsl	nsl	LD	17		0.50	0.0070	16		0.50	0.0070
Vanadium	nsl	nsl	LD	BRL		0.0050	0.00030	0.011		0.0050	0.00030
Zinc	1	nsl	0.5	0.15		0.030	0.0033	0.11		0.030	0.0033

All Organic Results in ug/L

	[redacted]	GCL (ug/L)	[redacted]	GW-1	QC Qualifier	RL	MDL	GW-2	QC Qualifier	RL	MDL	GW-3	QC Qualifier	RL	MDL	GW-4	QC Qualifier	RL	MDL	GW-5	QC Qualifier	RL	MDL	GW-6	QC Qualifier	RL	MDL
VOCs																											
1,1,1-Trichloroethane	200	200000	25000	BRL		0.50	0.061	BRL		0.50	0.061	BRL		0.50	0.061	0.64		0.50	0.061	BRL		0.50	0.061	BRL		0.50	0.061
1,1-Dichloroethane	6	6000	1000	BRL		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083	0.63		0.50	0.083	BRL		0.50	0.083	[redacted]		0.50	0.083
1,1-Dichloroethylene	350	350000	15000	BRL		0.50	0.083	9.8		0.50	0.083	BRL		0.50	0.083	0.54		0.50	0.083	15		0.50	0.083	65		0.50	0.083
Acetone	6000	6000000	20000	BRL		5.0	0.31	26		5.0	0.31	BRL		5.0	0.31	130		5.0	0.31	BRL		5.0	0.31	6.5		5.0	0.31
Chloroform	70	70000	1700	BRL		0.50	0.076	0.55		0.50	0.076	BRL		0.50	0.076	BRL		0.50	0.076	1.4		0.50	0.076	0.90		0.50	0.076
Chloromethane	3	3000	960	BRL		0.50	0.079	BRL		0.50	0.079	1.3		0.50	0.079	BRL		0.50	0.079	BRL		0.50	0.079	BRL		0.50	0.079
Methyl-tert-Butyl Ether	20	20000	15000	1.6		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042
Trichlorofluoromethane	2000	2000000	670000	BRL		0.50	0.062	0.64		0.50	0.062	2.9		0.50	0.062	BRL		0.50	0.062	0.68		0.50	0.062	BRL		0.50	0.062

				GW-7	QC Qualifier	RL	MDL	GW-9	QC Qualifier	RL	MDL	GW-10	QC Qualifier	RL	MDL	GW-11	QC Qualifier	RL	MDL	GW-12	QC Qualifier	RL	MDL
1,1,1-Trichloroethane	200	200000	25000	BRL		0.50	0.061	BRL		0.50	0.061	BRL		0.50	0.061	BRL		0.50	0.061	BRL		0.50	0.061
1,1-Dichloroethane	6	6000	1000	3.5		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083
1,1-Dichloroethylene	350	350000	15000	8.6		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083	0.92		0.50	0.083	BRL		0.50	0.083
Acetone	6000	6000000	20000	51		5.0	0.31	10		5.0	0.31	43		5.0	0.31	48		5.0	0.31	BRL		5.0	0.31
Chloroform	70	70000	1700	BRL		0.50	0.076	BRL		0.50	0.076	BRL		0.50	0.076	BRL		0.50	0.076	BRL		0.50	0.076
Chloromethane	3	3000	960	1.3		0.50	0.079	BRL		0.50	0.079	BRL		0.50	0.079	BRL		0.50	0.079	0.92		0.50	0.079
Methyl-tert-Butyl Ether	20	20000	15000	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042	BRL		0.50	0.042
Trichlorofluoromethane	2000	2000000	670000	BRL		0.50	0.062	1.4		0.50	0.062	2.1		0.50	0.062	BRL		0.50	0.062	0.76		0.50	0.062

2L Standard and GCL: NCDEQ 15A NCAC 2L .0202 and Gross Contamination Levels, revised 9/18/14 (or 4/1/13 if no GCL indicated)
2B Standard: NCDEQ 15A NCAC 2B or EPA National Criteria; most stringent of freshwater and human health standards (for Class C surface water body, Town Creek), revised 5/15/13
LD: limited data available
nsl: No Screening Level
BRL: Below Reporting Limit

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TABLE 2C: ANALYTES DETECTED IN SEDIMENT
KESLER MILL, NOVEMBER 16, 2015

All Organic Results in mg/kg

		[redacted]	MSCC (mg/kg)	[redacted]	SS-1	QC Qualifier	RL	MDL	SS-2	QC Qualifier	RL	MDL	SS-3	QC Qualifier	RL	MDL	SS-4	QC Qualifier	RL	MDL
VOCs	Acetone	61000	24	24	13		2800	530	0.54	E	0.076	0.0019	10		1300	250	1.6		1000	190

		[redacted]	MSCC (mg/kg)	[redacted]	SS-1	QC Qualifier	RL	MDL	SS-2	QC Qualifier	RL	MDL	SS-3	QC Qualifier	RL	MDL	SS-4	QC Qualifier	RL	MDL
SVOCs	Anthracene	18000	940	660	BRL		0.48	0.078	0.20	J	0.53	0.085	0.34	J	0.44	0.072	0.15	J	0.45	0.072
	Benzo(a)anthracene	0.16	0.35	0.16	0.16	J	0.48	0.063	0.60		0.53	0.069	0.76		0.44	0.058	0.39	J	0.45	0.059
	Benzo(a)pyrene	0.016	0.088	0.016	0.13	J	0.48	0.052	0.58		0.53	0.057	0.63		0.44	0.048	0.34	J	0.45	0.049
	Benzo(b)fluoranthene	0.16	0.88	0.16	[redacted]	J	0.48	0.056	[redacted]		0.53	0.062	1.0		0.44	0.052	[redacted]		0.45	0.052
	Benzo(g,h,i)perylene	nsl	469	7800	BRL		0.48	0.053	0.39	J	0.53	0.058	0.36	J	0.44	0.049	0.22	J	0.45	0.049
	Benzo(k)fluoranthene	1.6	9	1.6	BRL		0.48	0.063	0.32	J	0.53	0.070	0.37	J	0.44	0.058	0.20	J	0.45	0.059
	Bis(2-Ethylhexyl)phthalat	39	6.6	7.2	BRL		0.48	0.072	0.22	J	0.53	0.079	BRL		0.44	0.066	BRL		0.45	0.067
	Chrysene	16	39	16	0.16	J	0.48	0.061	0.69		0.53	0.067	1.3		0.44	0.056	0.41	J	0.45	0.057
	Fluoranthene	2400	290	330	0.33	J	0.48	0.062	1.7		0.53	0.068	2.3		0.44	0.057	1.1		0.45	0.057
	Indeno(1,2,3-cd)pyrene	0.16	0.88	0.16	BRL		0.48	0.056	[redacted]	J	0.53	0.061	[redacted]	J	0.44	0.051	[redacted]	J	0.45	0.052
	Phenanthrene	nsl	56	68	0.18	J	0.48	0.063	0.91		0.53	0.069	1.3		0.44	0.058	0.72		0.45	0.058
	Pyrene	1800	270	220	0.30	J	0.48	0.064	1.1		0.53	0.070	1.6		0.44	0.059	0.73		0.45	0.059

MSCCs: Maximum Soil Contaminant Concentrations, most stringent of soil-to-water and residential, revised 4/16/12
IHSB PSRG: Inactive Hazardous Sites Branch Preliminary Soil Remediation Goal, most stringent of residential health-based and protection of groundwater, revised September 2015
Residential Soil RSL: Risk-Based Screening Level, most stringent of carcinogenic and non-carcinogenic SL, revised November 2015
nsl: No Screening Level
BRL: Below Reporting Limit
E: estimated concentration above the calibration range
J: detected but below the RL; result is an estimated concentration

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TABLE 2D: ANALYTES DETECTED IN SURFACE WATER
KESLER MILL, NOVEMBER 13, 2015

All Organic Results in ug/L

		[redacted]	SS-1	QC Qualifier	RL	MDL	SS-2	QC Qualifier	RL	MDL	SS-3	QC Qualifier	RL	MDL	SS-4	QC Qualifier	RL	MDL
VOCs	1,1-Dichloroethane	100	BRL		0.50	0.083	BRL		0.50	0.083	BRL		0.50	0.083	0.69		0.50	0.083
	1,1-Dichloroethylene	1500	BRL		0.50	0.083	2.2		0.50	0.083	2.6		0.50	0.083	3.2		0.50	0.083
	Bromodichloromethane	17	1.9		0.50	0.062	BRL		0.50	0.062	BRL		0.50	0.062	BRL		0.50	0.062
	Chloroform	170	8.3		0.50	0.076	2.2		0.50	0.076	1.6		0.50	0.076	1.6		0.50	0.076
	Chloromethane	96	1.1		0.50	0.079	0.60		0.50	0.079	BRL		0.50	0.079	BRL		0.50	0.079

2B Standard: NCDEQ 15A NCAC 2B or EPA National Criteria; most stringent of freshwater and human health standards (for Class C surface water body, Town Creek), revised 5/15/13
BRL: Below Reporting Limit

TABLE 3: MONITOR WELL CONSTRUCTION AND GROUNDWATER ELEVATION DATA
KESLER MILL

Monitor Well ID	Date Installed	Date Gauged	Screen Interval (feet below grade)	Total Well Depth (feet below grade)	Top of Casing Elevation (feet above mean sea level)	Depth to Groundwater (feet below top of casing)	Groundwater Elevation (feet above mean sea level)	Notes
GW-1	11/2/2015	1/20/2016	4-19	19	717.34	4.84	712.50	
GW-2	11/4/2015	1/20/2016	2-12	12	715.18	7.23	707.95	aboveground finish
GW-3	11/3/2015	1/20/2016	5-20	20	726.31	12.69	713.62	aboveground finish
GW-4	11/3/2015	1/20/2016	9-24	24	735.32	18.84	716.48	aboveground finish
GW-5	11/4/2015	1/20/2016	1-11	11	709.75	2.43	707.32	aboveground finish
GW-6	11/4/2015	1/20/2016	3-13	13	711.53	5.67	705.86	aboveground finish
GW-7	11/4/2015	1/20/2016	3-18	18	709.39	2.10	707.29	
GW-8	11/4/2015	1/20/2016	5-20	20	721.69	11.66	710.03	aboveground finish
GW-9	11/3/2015	1/20/2016	9-24	24	730.15	19.14	711.01	aboveground finish
GW-10	11/5/2015	1/20/2016	5-30	30	729.70	21.05	708.65	aboveground finish
GW-11	11/5/2015	1/20/2016	2-12	12	709.54	3.75	705.79	aboveground finish
GW-12	11/5/2015	1/20/2016	14-29	29	725.78	20.41	705.37	aboveground finish

TABLE 4: QUALITY CONTROL PRECISION ANALYSIS
KESLER MILL

	GW-4 (5-7)	RDL	MDL	Duplicate-01	RDL	MDL	Value 1	Value 2	Absolute Difference	is max detection > 5*RDL	Difference to RDL Ratio	Precision Based on Diff/RDL*	RPD%	Precision based on RPD%**
Aluminum		660	90		3.3	0.45	29000	31000	2000	yes	Calc. RPD%		6.666667	Acceptable
Arsenic		0.33	0.074		0.33	0.073	3.1	2.7	0.4	yes	Calc. RPD%		13.7931	Acceptable
Barium	79	0.66	0.35	30	0.66	0.35	79	30	49	yes	Calc. RPD%		89.90826	High
Beryllium	0.99	0.33	0.011	1.2	0.33	0.011	0.99	1.2	0.21	no	0.32	Acceptable		
Cadmium	0.37	0.33	0.0070	0.36	0.33	0.0070	0.37	0.36	0.01	no	0.02	Acceptable		
Calcium	850	13	0.86	590	13	0.86	850	590	260	yes	Calc. RPD%		36.11111	Slightly High
Chromium	30	0.33	0.045	23	0.33	0.045	30	23	7	yes	Calc. RPD%		26.41509	Acceptable
Cobalt		0.33	0.010		0.33	0.010	21	11	10	yes	Calc. RPD%		62.5	High
Copper	55	0.66	0.12	50	0.66	0.11	55	50	5	yes	Calc. RPD%		9.52381	Acceptable
Iron		1300	390		6.6	1.9	68000	51000	17000	yes	Calc. RPD%		28.57143	Acceptable
Lead	13	0.33	0.035	11	0.33	0.035	13	11	2	yes	Calc. RPD%		16.66667	Acceptable
Magnesium	1100	3.3	0.36	720	3.3	0.36	1100	720	380	yes	Calc. RPD%		41.75824	Slightly High
Manganese		0.33	0.061		0.33	0.060	410	660	250	yes	Calc. RPD%		46.72897	Slightly High
Nickel	8.8	0.66	0.062	6.2	0.66	0.062	8.8	6.2	2.6	yes	Calc. RPD%		34.66667	Acceptable
Potassium	770	17	1.6	640	16	1.6	770	640	130	yes	Calc. RPD%		18.43972	Acceptable
Sodium	70	20	0.58	83	20	0.58	70	83	13	no	0.33	Acceptable		
Vanadium		0.33	0.011		0.33	0.011	120	160	40	yes	Calc. RPD%		28.57143	Acceptable
Zinc	36	3.3	0.040	38	3.3	0.040	36	38	2	yes	Calc. RPD%		5.405405	Acceptable
Mercury	0.045	0.025	0.0016	0.088	0.026	0.0017	0.045	0.088	0.043	no	0.83	Acceptable		
1-Methylnaphthalene	BRL	0.45	0.086		0.44	0.085	0.086	1.1	1.014	no	1.13	Slightly High		
2-Methylnaphthalene	BRL	0.45	0.071	1.2	0.44	0.071	0.071	1.2	1.129	no	1.25	Slightly High		
3/4-Methylphenol	BRL	0.45	0.055	0.15J	0.44	0.055	0.055	0.15	0.095	no	0.11	Acceptable		
Acenaphthene	0.17J	0.45	0.061	1.7	0.44	0.060	0.17	1.7	1.53	no	1.70	Slightly High		
Acenaphthylene	0.74	0.45	0.065	5.0	0.44	0.064	0.74	5	4.26	yes	Calc. RPD%		148.4321	High
Anthracene	1.3	0.45	0.072	8.2	0.44	0.071	1.3	8.2	6.9	yes	Calc. RPD%		145.2632	High
Benzo(a)anthracene	2.1	0.45	0.058	18	4.4	0.58	2.1	18	15.9	no	1.81	Slightly High		
Benzo(a)pyrene	1.5	0.45	0.048	13	4.4	0.48	1.5	13	11.5	no	1.31	Slightly High		
Benzo(b)fluoranthene	2.0	0.45	0.052	16	4.4	0.51	2	16	14	no	1.59	Slightly High		
Benzo(g,h,i)perylene	0.77	0.45	0.049	5.0	0.44	0.049	0.77	5	4.23	yes	Calc. RPD%		146.6205	High
Benzo(k)fluoranthene	0.64	0.45	0.058		0.44	0.058	0.64	6.1	5.46	yes	Calc. RPD%		162.0178	High
Chrysene	1.7	0.45	0.056	16	4.4	0.56	1.7	16	14.3	no	1.63	Slightly High		
Dibenzo(a,h)anthracene	0.22J	0.45	0.054	1.5	0.44	0.054	0.22	1.5	1.28	no	1.42	Slightly High		
Dibenzofuran	0.34J	0.45	0.068	3.5	0.44	0.067	0.34	3.5	3.16	yes	Calc. RPD%		90.28571	High
Fluoranthene	4.2	0.45	0.057	3.2	0.44	0.057	4.2	3.2	1	yes	Calc. RPD%		27.02703	Acceptable
Fluorene	0.25J	0.45	0.064	2.4	0.44	0.064	0.25	2.4	2.15	yes	Calc. RPD%		89.58333	High
Indeno(1,2,3-cd)pyrene		0.45	0.051	6.2	0.44	0.051	0.85	6.2	5.35	yes	Calc. RPD%		151.773	High
Naphthalene	0.13J	0.45	0.072		0.44	0.071	0.13	1.3	1.17	no	1.30	Slightly High		
Phenanthrene	3.6	0.45	0.058	38	4.4	0.58	3.6	38	34.4	yes	Calc. RPD%		165.3846	High
Pyrene	3.6	0.45	0.059	34	4.4	0.59	3.6	34	30.4	yes	Calc. RPD%		161.7021	High

TABLE 4: QUALITY CONTROL PRECISION ANALYSIS
KESLER MILL

	GW-5 (0-1)	RDL	MDL	Duplicate-02	RDL	MDL	Value 1	Value 2	Absolute Difference	Is max detection > 5*RDL	Difference to RDL Ratio	Precision Based on Diff/RDL*	RPD%	Precision based on RPD%**
1-Methylnaphthalene	BRL	0.42	0.081	[redacted]	0.42	0.080	0.081	0.12	0.039	no	0.05	Acceptable		
2-Methylnaphthalene	BRL	0.42	0.067	0.16J	0.42	0.067	0.067	0.16	0.093	no	0.11	Acceptable		
Acenaphthene	BRL	0.42	0.057	0.29J	0.42	0.057	0.057	0.29	0.233	no	0.28	Acceptable		
Anthracene	0.17J	0.42	0.068	0.60	0.42	0.067	0.17	0.6	0.43	no	0.51	Acceptable		
Benzo(a)anthracene	0.66	0.42	0.055	1.3	0.42	0.054	0.66	1.3	0.64	no	0.76	Acceptable		
Benzo(a)pyrene	0.66	0.42	0.045	1.2	0.42	0.045	0.66	1.2	0.54	no	0.64	Acceptable		
Benzo(b)fluoranthene	[redacted]	0.42	0.049	1.5	0.42	0.048	0.87	1.5	0.63	no	0.75	Acceptable		
Benzo(g,h,i)perylene	0.43	0.42	0.046	0.70	0.42	0.046	0.43	0.7	0.27	no	0.32	Acceptable		
Benzo(k)fluoranthene	0.44	0.42	0.055	0.56	0.42	0.055	0.44	0.56	0.12	no	0.14	Acceptable		
Benzoic Acid	BRL	0.42	0.035	0.19J	0.42	0.035	0.035	0.19	0.155	no	0.18	Acceptable		
Chrysene	0.76	0.42	0.053	1.3	0.42	0.052	0.76	1.3	0.54	no	0.64	Acceptable		
Dibenzo(a,h)anthracene	0.11J	0.42	0.051	0.17J	0.42	0.051	0.11	0.17	0.06	no	0.07	Acceptable		
Dibenzofuran	BRL	0.42	0.064	0.15J	0.42	0.063	0.064	0.15	0.086	no	0.10	Acceptable		
Fluoranthene	1.3	0.42	0.053	2.8	0.42	0.053	1.3	2.8	1.5	yes	Calc. RPD%		73.17073	High
Fluorene	BRL	0.42	0.060	0.21J	0.42	0.060	0.060	0.21	0.15	no	0.18	Acceptable		
Indeno(1,2,3-cd)pyrene	[redacted]	0.42	0.048	[redacted]	0.42	0.048	0.43	0.75	0.32	no	0.38	Acceptable		
Naphthalene	BRL	0.42	0.067	[redacted]	0.42	0.067	0.067	0.22	0.153	no	0.18	Acceptable		
Phenanthrene	0.62	0.42	0.054	2.2	0.42	0.054	0.62	2.2	1.58	yes	Calc. RPD%		112.0567	High
Pyrene	1.2	0.42	0.055	2.5	0.42	0.055	1.2	2.5	1.3	yes	Calc. RPD%		70.27027	High
Diesel Range Organics	[redacted]	8.9	1.1	[redacted]	8.8	1.1	73	51	22	yes	Calc. RPD%		35.48387	Slightly High
Acetone	BRL	0.065	0.0016	0.074	0.048	0.0012	0.0016	0.074	0.0724	no	0.56	Acceptable		

* Difference to RDL Ratio: < 1 "Acceptable"; > 1 < 2 "Slightly High"; > 2 "High"
** RPD%: < 35 "Acceptable"; > 35 < 50 "Slightly High"; > 50 "High"

APPENDIX A: Boring Logs and Well Construction Records

SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-1
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	1293		2.0	Brown red silty firm CLAY, moist	

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SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-2
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	893		2.0	Asphalt then red brown silty, firm CLAY, dry	
	2860		5.0	Light red brown silty, firm CLAY, moist	

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SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-3
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	3024		2.0	Asphalt then red brown silty, firm CLAY, dry	
	2772		5.0	Yellow brown silty, firm CLAY with black mottling, moist	

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SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-4
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	2532		2.0	Asphalt then red brown silty, firm CLAY, dry	
	2934		4.0		
	3150		6.0		
	3095		8.0	Red brown silty, firm CLAY, moist	
	2921		10.0	Red brown silty firm CLAY with black mottling	

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SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-5
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	2066		2.0	Asphalt then red brown silty, firm CLAY, dry	
	4665		4.0		
	3115		6.0	Light red brown silty CLAY	
	3320		8.0	Light red brown silty CLAY, moist	
	3109		10.0	Light red brown silty CLAY with black mottling, moist	

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SUBSURFACE EXPLORATION LOG

PROJECT NAME:	Former Kesler Mill	**BORING ID:**	SB-6
PROJECT NO.:	PB000900A	**DATE(S) DRILLED:**	11/6/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	**DRILLING CONTR:**	TerraSonic International
		DRILL METHOD:	DPT with 5 foot macro cores
		REMARKS:	
CLIENT:	City of Salisbury		
LOGGED BY:	BB		

SOIL SAMPLING CONDITIONS			DEPTH (FT)	SUBSURFACE MATERIALS & CONSTRUCTION INFORMATION	REMARKS
Sample Interval	PID Reading (ppb)	USCS	0.0	Land Surface	Lab sample, water depth, etc.
	1315		2.0	Asphalt then dark brown silty CLAY, moist	
	2036		4.0	Brown/light brown silty CLAY, damp	
	1597		6.0		
	750		8.0		
	1727		10.0		
	1415		12.0		
	1632		15.0	Tan silty CLAY and partially weathered rock, damp	

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SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-1
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/2/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 19 ft bgs; screened: 4-19 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	Asphalt then red brown silty CLAY, dry
				2.0	
				3.0	
				4.0	
		345	▼	5.0	
				6.0	
				7.0	Red brown silty CLAY, gray black mottling, dry
				8.0	
				9.0	
		0		10.0	
				11.0	Light gray CLAY, moist
				12.0	
				13.0	
				14.0	
		0		15.0	
				16.0	Brown silty CLAY, black mottling, moist
				17.0	
				18.0	
				19.0	
		0		20.0	
				21.0	Boring terminated at 20 feet bgs and well materials raised one foot
				22.0	Well completed with flush to grade, steel well cover
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
▼ DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

* Samples collection interval
PHC = Petroleum hydrocarbon odor
SAA - Same as a

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10988 Richardson Road
Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-2
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/4/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 12 ft bgs; screened: 2-12 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		686		2.0	
				3.0	Red brown fine sandy CLAY, dry
		556	▼	4.0	
				5.0	
		649		6.0	
				7.0	
		264		8.0	Yellow brown silty CLAY, moist
				9.0	
		1399		10.0	
				11.0	Gray silty CLAY, moist
				12.0	
				13.0	Boring terminated at 12 feet bgs
				14.0	Well completed with 5-foot long, aboveground, steel well cover
				15.0	
				16.0	
				17.0	
				18.0	
				19.0	
				20.0	
				21.0	
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

* Samples collection interval
PHC = Petroleum hydrocarbon odor
SAA - Same as a

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10988 Richardson Road
Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-3
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/3/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 20 ft bgs; screened: 5-20 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	Gravel and debris then dark red silty CLAY, dry
		476		2.0	
				3.0	
		605		4.0	
				5.0	
		549		6.0	
				7.0	
		577	▼	8.0	Brownish yellow silty CLAY, dry
				9.0	
		479		10.0	
				11.0	
		574		12.0	
				13.0	Brownish yellow silty CLAY, black mottling, moist
		726		14.0	
				15.0	
		756		16.0	Yellow SILT, black mottling, moist/wet
				17.0	
		740		18.0	
				19.0	
		600		20.0	
				21.0	Boring terminated at 20 feet bgs
				22.0	Well completed with 5-foot long, aboveground, steel well cover
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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HA - HAND AUGER
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
▼ DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

Samples collection interval | PHC = Petroleum hydrocarbon odor | SAA - Same as a

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10988 Richardson Road
Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-4
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/3/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 24 ft bgs; screened: 9-24 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		0		2.0	
				3.0	Gravel then brown red silty CLAY, dry
		0		4.0	
				5.0	
		812		6.0	
				7.0	
		527		8.0	Red brown silty CLAY, dry
				9.0	
		649		10.0	
				11.0	
		687		12.0	
				13.0	
		663		14.0	
				15.0	
		0	▼	16.0	Red brown silty CLAY, moist
				17.0	
		297		18.0	
				19.0	
		293		20.0	
				21.0	Light brown and yellow silty CLAY, moist
				22.0	
				23.0	
				24.0	
				25.0	Boring terminated at 24 feet bgs
				26.0	Well completed with 5-foot long, aboveground, steel well cover
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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HA - HAND AUGER
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

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Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-5
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/4/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 11 ft bgs; screened: 1-11 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		1327	▼	2.0	
				3.0	Red brown sandy, silty CLAY, moist
		642		4.0	
				5.0	
		193		6.0	
				7.0	
		480		8.0	
				9.0	Gray brown silty CLAY, moist/wet
		1167		10.0	
				11.0	
				12.0	
				13.0	Boring terminated at 12 feet bgs and well materials raised one foot
				14.0	Well completed with 5-foot long, aboveground, steel well cover
				15.0	
				16.0	
				17.0	
				18.0	
				19.0	
				20.0	
				21.0	
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

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Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-6
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/4/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 13 ft bgs; screened: 3-13 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		2905		2.0	
				3.0	Dark brown silty CLAY, damp
		2264	▼	4.0	
				5.0	
		0		6.0	
				7.0	
		95		8.0	Brown silty CLAY, moist
				9.0	
		0		10.0	
				11.0	
				12.0	Gray brown silty CLAY, moist
				13.0	
				14.0	Boring terminated at 13 feet bgs
				15.0	Well completed with 5-foot long, aboveground, steel well cover
				16.0	
				17.0	
				18.0	
				19.0	
				20.0	
				21.0	
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

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Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-7
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/4/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 18 ft bgs; screened: 3-18 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		2290		2.0	
				3.0	Red brown sandy, silty CLAY, moist
		3224	▼	4.0	
				5.0	
		3100		6.0	
				7.0	
		1951		8.0	Gray brown silty CLAY, moist
				9.0	
		2643		10.0	
				11.0	
		3282		12.0	
				13.0	
		2997		14.0	
				15.0	Yellow gray silty CLAY, wet
				16.0	
				17.0	
				18.0	
				19.0	Boring terminated at 18 feet bgs
				20.0	Well completed with flush to grade, steel well cover
				21.0	
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

Samples collection interval
PHC = Petroleum hrdocarbon odor
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Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-8
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/4/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 20 ft bgs; screened: 5-20 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	
		188		2.0	
				3.0	Brown red silty CLAY, dry
		0		4.0	
				5.0	
		0		6.0	
				7.0	
		0		8.0	Light red silty CLAY, dry
				9.0	
		0		10.0	
			▼	11.0	
				12.0	
				13.0	Light red silty CLAY, moist
				14.0	
				15.0	
				16.0	
				17.0	
				18.0	Light red silty CLAY, wet
				19.0	
				20.0	
				21.0	Boring terminated at 20 feet bgs
				22.0	Well completed with 5-foot long, aboveground, steel well cover
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
▼ DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

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10988 Richardson Road
Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-9
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/3/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 24 ft bgs; screened: 9-24 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	Gravel and brick then dark brown silty CLAY, damp
		0		2.0	
				3.0	
		0		4.0	
				5.0	
		0		6.0	Brown silty CLAY, damp
				7.0	
		0		8.0	
				9.0	
		0		10.0	
				11.0	Light brown/tan CLAY
		0	▼	12.0	
				13.0	
		0		14.0	
				15.0	
		0		16.0	Dark brown silty CLAY, moist
				17.0	
		0		18.0	
				19.0	
				20.0	
				21.0	Light brown silty CLAY, moist
				22.0	
				23.0	
				24.0	
				25.0	Boring terminated at 24 feet bgs
				26.0	Well completed with 5-foot long, aboveground, steel well cover
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

Samples collection interval | PHC = Petroleum hydrocarbon odor | SAA - Same as a

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Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-10
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/5/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 30 ft bgs; screened: 5-30 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	6" concrete then brown red silty firm CLAY, dry
		1782		2.0	
				3.0	
		1527		4.0	
				5.0	
		1428		6.0	Concrete debris and light yellow brown silty CLAY, black mottling, moist
				7.0	
		1786		8.0	
				9.0	
		1224		10.0	
				11.0	
		1749		12.0	
				13.0	
		1841		14.0	
				15.0	
		1204		16.0	
				17.0	
		1117		18.0	
				19.0	
		916		20.0	
			▼	21.0	Light yellow brown silty CLAY, black mottling, wet
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	Boring terminated at 30 feet bgs
				32.0	Well completed with 5-foot long, aboveground, steel well cover
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
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HA - HAND AUGER
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

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PHC = Petroleum hrdocarbon odor
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SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-11
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/5/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 12 ft bgs; screened: 2-12 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	Grass then reddish brown silty CLAY with organic matter
		3583		2.0	
			▼	3.0	Yellowish red silty CLAY, dry
		5629		4.0	
				5.0	Green/gray silty firm CLAY, moist
		5773		6.0	
				7.0	
		6288		8.0	
				9.0	Green/gray silty firm CLAY, yellow brown mottling, moist/wet
		5274		10.0	
				11.0	
				12.0	
				13.0	Boring terminated at 12 feet bgs
				14.0	Well completed with 5-foot long, aboveground, steel well cover
				15.0	
				16.0	
				17.0	
				18.0	
				19.0	
				20.0	
				21.0	
				22.0	
				23.0	
				24.0	
				25.0	
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	
				31.0	Boring terminated at 30 feet bgs
				32.0	Well completed with 5-foot long, aboveground, steel well cover
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
WR - WATER ROTARY

SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN

DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

* Samples collection interval
PHC = Petroleum hydrocarbon odor
SAA - Same as s

Cardno
Shaping the Future

10988 Richardson Road
Ashland, Virginia 23005

SOIL BORING LOG

PROJECT NAME:	Former Kesler Mill	BORING I.D.:	GW-12
PROJECT NO.:	PB0010900A	DATE(S) DRILLED:	11/5/2015
PROJECT LOCATION:	423 N. Martin Luther King Jr. Ave. Salisbury, NC	DRILLING CONTR.:	TerraSonic International
		DRILL METHOD:	HSA
		BORING DIAMETER:	~8"
CLIENT:	City of Salisbury	SAMPLING METHOD/INTERVAL:	Macro Core/5 feet
LOGGED BY:	BB	REMARKS:	Total well depth: 29 ft bgs; screened: 14-29 ft bgs

DESCRIPTIVE LOG (page 1 of 1)

SAMPLE INTERVAL	USCS	PID/FID (ppb)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
				1.0	Grass then brown red silty firm CLAY, dry
		2362		2.0	
				3.0	
		1981		4.0	
				5.0	
		2166		6.0	
				7.0	
		2003		8.0	
				9.0	
		1950		10.0	
				11.0	
		1410		12.0	
				13.0	
		948		14.0	
				15.0	Light yellow brown silty CLAY, black mottling, moist
		815		16.0	
				17.0	
		0		18.0	
				19.0	
		0		20.0	
			▼	21.0	
				22.0	
				23.0	
				24.0	
				25.0	Light yellow brown silty CLAY, black mottling, wet
				26.0	
				27.0	
				28.0	
				29.0	
				30.0	Boring terminated at 29 feet bgs
				31.0	Well completed with 5-foot long, aboveground, steel well cover
				32.0	
				33.0	
				34.0	
				35.0	
				36.0	
				37.0	
				38.0	
				39.0	
				40.0	

DRILLING METHODS
SS-SPLIT SPOON
AIR - AIR ROTARY
CFA - CONTINUOUS FLIGHT AUGER
DC - DRIVEN CASING
HA - HAND AUGER
HSA - HOLLOW STEM AUGER
MD - MUD DRILLING
RC - ROCK CORING
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SAMPLING METHODS
GP-GEOPROBE
SPLIT SPOON

bgs= BELOW GROUND SURFACE

GRAPHIC COLUMN
▼ DEPTH TO WATER
GROUT
BENTONITE
SAND
SCREEN

* Samples collection interval
PHC = Petroleum hydrocarbon odor
SAA - Same as a

Cardno
Shaping the Future

10988 Richardson Road
Ashland, Virginia 23005

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-1

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.92 N 80 27.528 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 20.32 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 8 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch40	pvc

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	20 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	concrete	pour
1 ft.	3 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3 ft.	20 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:42:05 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-2

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.906 N 80 27.485 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 11.86 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 5 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	2 ft.	2 in.	Sch40	pvc

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
2 ft.	12 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	0.5 ft.	concrete	pour
0.5 ft.	1 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
1 ft.	12 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mtynan@terrasonicinternational.com, c=US Date: 2015.11.20 17:38:34 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-3

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.898 N 80 27.531 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐Yes or ☑No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 20.31 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch40	pvc

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	20 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	2 ft.	concrete	pour
2 ft.	4 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
4 ft.	20 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:38:11 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-4

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35 39.891 N 80 27.576 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 23.83 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	9 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
9 ft.	24 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	5 ft.	concrete	pour
5 ft.	7 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
7 ft.	24 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:30:19 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-5

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.889 N 80 27.467 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 11 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 4 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	1 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
1 ft.	11 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	0.5 ft.	concrete	pour
0.5 ft.	1 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
1 ft.	11 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mt@terrasonicinternational.com, c=US Date: 2015.11.20 17:37:12 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-6

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.856 N 80 27.491 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 12.87 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 5 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	3 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
3 ft.	13 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	concrete	pour
1 ft.	2 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
2 ft.	13 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mike@terrasonicinternational.com, c=US Date: 2015.11.20 17:40:31 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-7

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.858 N 80 27.459 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐Yes or ☑No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 18.31 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 7 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	3 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
3 ft.	18 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	concrete	pour
1 ft.	2 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
2 ft.	18 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mike@terrasonicinternational.com, c=US Date: 2015.11.20 17:30:48 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-8

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.869 N 80 27.46 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 20.31 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 8 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	20 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	concrete	pour
1 ft.	3 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3 ft.	20 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:41:12 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617**

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636**

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-9

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.866 N 80 27.529 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 24 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	9 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
9 ft.	24 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	5 ft.	concrete	pour
5 ft.	7 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
7 ft.	24 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:41:42 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-10

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.833 N 80 27.503 W

6. Is (are) the well(s): ☑**Permanent** or ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** or ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 30 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 15 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	5 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
5 ft.	30 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	1 ft.	concrete	pour
1 ft.	3 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
3 ft.	30 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:40:22 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617**

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

**Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636**

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

For Internal Use ONLY:

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-11

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.837 N 80 27.445 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 12 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 4 **(ft.)**

If water level is above casing, use " + "

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	2 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
2 ft.	12 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	0.5 ft.	concrete	pour
0.5 ft.	1 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
1 ft.	12 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com , c=US Date: 2015.11.20 17:40:02 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Terry White

Well Contractor Name

3287-B

NC Well Contractor Certification Number

Terra Sonic International

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

☐Agricultural ☐Municipal/Public

☐Geothermal (Heating/Cooling Supply) ☐Residential Water Supply (single)

☐Industrial/Commercial ☐Residential Water Supply (shared)

☐Irrigation

Non-Water Supply Well:

☑Monitoring ☐Recovery

Injection Well:

☐Aquifer Recharge ☐Groundwater Remediation

☐Aquifer Storage and Recovery ☐Salinity Barrier

☐Aquifer Test ☐Stormwater Drainage

☐Experimental Technology ☐Subsidence Control

☐Geothermal (Closed Loop) ☐Tracer

☐Geothermal (Heating/Cooling Return) ☐Other (explain under #21 Remarks)

4. Date Well(s) Completed: 11/10/15 **Well ID#** GW-12

5a. Well Location:

Kesler Mill

Facility/Owner Name

Facility ID# (if applicable)

423 Martin Luther King Jr Ave

Physical Address, City, and Zip

Rowan

County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35 39.805 N 80 27.462 W

6. Is (are) the well(s): ☑**Permanent** **or** ☐**Temporary**

7. Is this a repair to an existing well: ☐**Yes** **or** ☑**No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 29 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 20 **(ft.)**

If water level is above casing, use "-"

11. Borehole diameter: 8.5 **(in.)**

12. Well construction method: auger

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	14 ft.	2 in.	Sch40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
14 ft.	29 ft.	2 in.	0.010	Sch40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	10 ft.	neat cement	pour
10 ft.	12 ft.	bentonite	pour
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
12 ft.	29 ft.	#2 silica sand	pour through augers
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Consultant's log
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Mike Tynan Digitally signed by Mike Tynan DN: cn=Mike Tynan, o, ou, email=mat@terrasonicinternational.com, c=US Date: 2015.11.20 17:29:22 -05'00'

Signature of Certified Well Contractor

11/19/15

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

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1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:

Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

APPENDIX B: Analytical Reports w/Chains-of-Custody

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

11/19/2015

Cardno - Charlotte
Christine Schaefer
7606 Whitehall Executive Center Drive, Suite 800
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Lab Submittal Date: 11/05/2015
Prism Work Order: 5110128

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Terri W. Cole For Angela D. Overcash
Project Manager

Data Qualifiers Key Reference:

CVL	CCV result is below the control limits. LCS recovery within the limits. Analyte not detected in the sample. No further action taken.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
M	Matrix spike outside of the control limits.
MC	Sample concentration too high for recovery evaluation.
MI	Matrix spike outside of the control limits. Matrix interference suspected.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Sample Receipt Summary

11/19/2015

Prism Work Order: 5110128

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
GW-1 (0-1)	5110128-01	Solid	11/04/15	11/05/15
GW-1 (2-4)	5110128-02	Solid	11/04/15	11/05/15
GW-4 (0-1)	5110128-03	Solid	11/04/15	11/05/15
GW-4 (5-7)	5110128-04	Solid	11/04/15	11/05/15
GW-3 (0-1)	5110128-05	Solid	11/04/15	11/05/15
GW-3 (4-6)	5110128-06	Solid	11/04/15	11/05/15
GW-9 (0-1)	5110128-07	Solid	11/04/15	11/05/15
GW-9 (4-6)	5110128-08	Solid	11/04/15	11/05/15

Samples were received in good condition at 4.4 degrees C unless otherwise noted.

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Summary of Detections

11/19/2015

Prism Work Order: 5110128

Prism ID	Client ID	Parameter	Method	Result		Units
5110128-01	GW-1 (0-1)	Acetone	8260B	0.092		mg/kg dry
5110128-03	GW-4 (0-1)	1-Methylnaphthalene	8270D	0.12	J	mg/kg dry
5110128-03	GW-4 (0-1)	2-Methylnaphthalene	8270D	0.15	J	mg/kg dry
5110128-03	GW-4 (0-1)	Acenaphthene	8270D	0.22	J	mg/kg dry
5110128-03	GW-4 (0-1)	Acenaphthylene	8270D	0.87		mg/kg dry
5110128-03	GW-4 (0-1)	Anthracene	8270D	1.4		mg/kg dry
5110128-03	GW-4 (0-1)	Benzo(a)anthracene	8270D	2.3		mg/kg dry
5110128-03	GW-4 (0-1)	Benzo(a)pyrene	8270D	1.7		mg/kg dry
5110128-03	GW-4 (0-1)	Benzo(b)fluoranthene	8270D	2.2		mg/kg dry
5110128-03	GW-4 (0-1)	Benzo(g,h,i)perylene	8270D	0.85		mg/kg dry
5110128-03	GW-4 (0-1)	Benzo(k)fluoranthene	8270D	0.92		mg/kg dry
5110128-03	GW-4 (0-1)	Chrysene	8270D	1.8		mg/kg dry
5110128-03	GW-4 (0-1)	Dibenzo(a,h)anthracene	8270D	0.24	J	mg/kg dry
5110128-03	GW-4 (0-1)	Dibenzofuran	8270D	0.42		mg/kg dry
5110128-03	GW-4 (0-1)	Fluoranthene	8270D	4.6		mg/kg dry
5110128-03	GW-4 (0-1)	Fluorene	8270D	0.36	J	mg/kg dry
5110128-03	GW-4 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	0.92		mg/kg dry
5110128-03	GW-4 (0-1)	Naphthalene	8270D	0.18	J	mg/kg dry
5110128-03	GW-4 (0-1)	Phenanthrene	8270D	4.5		mg/kg dry
5110128-03	GW-4 (0-1)	Pyrene	8270D	4.0		mg/kg dry
5110128-03	GW-4 (0-1)	Aluminum	*6010C	20000		mg/kg dry
5110128-03	GW-4 (0-1)	Mercury	*7471B	0.084		mg/kg dry
5110128-03	GW-4 (0-1)	Arsenic	*6010C	6.2		mg/kg dry
5110128-03	GW-4 (0-1)	Barium	*6010C	18		mg/kg dry
5110128-03	GW-4 (0-1)	Calcium	*6010C	290		mg/kg dry
5110128-03	GW-4 (0-1)	Chromium	*6010C	22		mg/kg dry
5110128-03	GW-4 (0-1)	Cobalt	*6010C	0.97		mg/kg dry
5110128-03	GW-4 (0-1)	Copper	*6010C	1.1		mg/kg dry
5110128-03	GW-4 (0-1)	Iron	*6010C	17000		mg/kg dry
5110128-03	GW-4 (0-1)	Lead	*6010C	9.3		mg/kg dry
5110128-03	GW-4 (0-1)	Magnesium	*6010C	680		mg/kg dry
5110128-03	GW-4 (0-1)	Manganese	*6010C	9.1		mg/kg dry
5110128-03	GW-4 (0-1)	Nickel	*6010C	3.3		mg/kg dry
5110128-03	GW-4 (0-1)	Potassium	*6010C	440		mg/kg dry
5110128-03	GW-4 (0-1)	Sodium	*6010C	53		mg/kg dry
5110128-03	GW-4 (0-1)	Vanadium	*6010C	35		mg/kg dry
5110128-03	GW-4 (0-1)	Zinc	*6010C	7.7		mg/kg dry
5110128-04	GW-4 (5-7)	Acenaphthene	8270D	0.17	J	mg/kg dry
5110128-04	GW-4 (5-7)	Acenaphthylene	8270D	0.74		mg/kg dry
5110128-04	GW-4 (5-7)	Anthracene	8270D	1.3		mg/kg dry
5110128-04	GW-4 (5-7)	Benzo(a)anthracene	8270D	2.1		mg/kg dry
5110128-04	GW-4 (5-7)	Benzo(a)pyrene	8270D	1.5		mg/kg dry
5110128-04	GW-4 (5-7)	Benzo(b)fluoranthene	8270D	2.0		mg/kg dry
5110128-04	GW-4 (5-7)	Benzo(g,h,i)perylene	8270D	0.77		mg/kg dry

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Prism ID	Client ID	Parameter	Method	Result		Units
5110128-04	GW-4 (5-7)	Benzo(k)fluoranthene	8270D	0.64		mg/kg dry
5110128-04	GW-4 (5-7)	Chrysene	8270D	1.7		mg/kg dry
5110128-04	GW-4 (5-7)	Dibenzo(a,h)anthracene	8270D	0.22	J	mg/kg dry
5110128-04	GW-4 (5-7)	Dibenzofuran	8270D	0.34	J	mg/kg dry
5110128-04	GW-4 (5-7)	Fluoranthene	8270D	4.2		mg/kg dry
5110128-04	GW-4 (5-7)	Fluorene	8270D	0.25	J	mg/kg dry
5110128-04	GW-4 (5-7)	Indeno(1,2,3-cd)pyrene	8270D	0.85		mg/kg dry
5110128-04	GW-4 (5-7)	Naphthalene	8270D	0.13	J	mg/kg dry
5110128-04	GW-4 (5-7)	Phenanthrene	8270D	3.6		mg/kg dry
5110128-04	GW-4 (5-7)	Pyrene	8270D	3.6		mg/kg dry
5110128-04	GW-4 (5-7)	Aluminum	*6010C	29000		mg/kg dry
5110128-04	GW-4 (5-7)	Mercury	*7471B	0.045		mg/kg dry
5110128-04	GW-4 (5-7)	Arsenic	*6010C	3.1		mg/kg dry
5110128-04	GW-4 (5-7)	Barium	*6010C	79		mg/kg dry
5110128-04	GW-4 (5-7)	Beryllium	*6010C	0.99		mg/kg dry
5110128-04	GW-4 (5-7)	Cadmium	*6010C	0.37		mg/kg dry
5110128-04	GW-4 (5-7)	Calcium	*6010C	850		mg/kg dry
5110128-04	GW-4 (5-7)	Chromium	*6010C	30		mg/kg dry
5110128-04	GW-4 (5-7)	Cobalt	*6010C	21		mg/kg dry
5110128-04	GW-4 (5-7)	Copper	*6010C	55		mg/kg dry
5110128-04	GW-4 (5-7)	Iron	*6010C	68000		mg/kg dry
5110128-04	GW-4 (5-7)	Lead	*6010C	13		mg/kg dry
5110128-04	GW-4 (5-7)	Magnesium	*6010C	1100		mg/kg dry
5110128-04	GW-4 (5-7)	Manganese	*6010C	410		mg/kg dry
5110128-04	GW-4 (5-7)	Nickel	*6010C	8.8		mg/kg dry
5110128-04	GW-4 (5-7)	Potassium	*6010C	770		mg/kg dry
5110128-04	GW-4 (5-7)	Sodium	*6010C	70		mg/kg dry
5110128-04	GW-4 (5-7)	Vanadium	*6010C	120		mg/kg dry
5110128-04	GW-4 (5-7)	Zinc	*6010C	36		mg/kg dry
5110128-05	GW-3 (0-1)	1-Methylnaphthalene	8270D	0.34	J	mg/kg dry
5110128-05	GW-3 (0-1)	2-Methylnaphthalene	8270D	0.42		mg/kg dry
5110128-05	GW-3 (0-1)	Acenaphthene	8270D	2.5		mg/kg dry
5110128-05	GW-3 (0-1)	Acenaphthylene	8270D	0.13	J	mg/kg dry
5110128-05	GW-3 (0-1)	Anthracene	8270D	4.4		mg/kg dry
5110128-05	GW-3 (0-1)	Benzo(a)anthracene	8270D	12		mg/kg dry
5110128-05	GW-3 (0-1)	Benzo(a)pyrene	8270D	11		mg/kg dry
5110128-05	GW-3 (0-1)	Benzo(b)fluoranthene	8270D	11		mg/kg dry
5110128-05	GW-3 (0-1)	Benzo(g,h,i)perylene	8270D	6.8		mg/kg dry
5110128-05	GW-3 (0-1)	Benzo(k)fluoranthene	8270D	4.2		mg/kg dry
5110128-05	GW-3 (0-1)	Chrysene	8270D	9.8		mg/kg dry
5110128-05	GW-3 (0-1)	Dibenzo(a,h)anthracene	8270D	1.5		mg/kg dry
5110128-05	GW-3 (0-1)	Dibenzofuran	8270D	0.80		mg/kg dry
5110128-05	GW-3 (0-1)	Fluoranthene	8270D	21		mg/kg dry
5110128-05	GW-3 (0-1)	Fluorene	8270D	1.5		mg/kg dry
5110128-05	GW-3 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	7.3		mg/kg dry

Summary of Detections

11/19/2015

Prism Work Order: 5110128

Prism ID	Client ID	Parameter	Method	Result		Units
5110128-05	GW-3 (0-1)	Naphthalene	8270D	0.51		mg/kg dry
5110128-05	GW-3 (0-1)	Phenanthrene	8270D	14		mg/kg dry
5110128-05	GW-3 (0-1)	Pyrene	8270D	18		mg/kg dry
5110128-06	GW-3 (4-6)	2-Methylnaphthalene	8270D	0.14	J	mg/kg dry
5110128-06	GW-3 (4-6)	Acenaphthene	8270D	0.51		mg/kg dry
5110128-06	GW-3 (4-6)	Anthracene	8270D	0.83		mg/kg dry
5110128-06	GW-3 (4-6)	Benzo(a)anthracene	8270D	1.6		mg/kg dry
5110128-06	GW-3 (4-6)	Benzo(a)pyrene	8270D	1.4		mg/kg dry
5110128-06	GW-3 (4-6)	Benzo(b)fluoranthene	8270D	0.25	J	mg/kg dry
5110128-06	GW-3 (4-6)	Benzo(g,h,i)perylene	8270D	0.76		mg/kg dry
5110128-06	GW-3 (4-6)	Benzo(k)fluoranthene	8270D	0.27	J	mg/kg dry
5110128-06	GW-3 (4-6)	Chrysene	8270D	1.4		mg/kg dry
5110128-06	GW-3 (4-6)	Dibenzo(a,h)anthracene	8270D	0.19	J	mg/kg dry
5110128-06	GW-3 (4-6)	Dibenzofuran	8270D	0.24	J	mg/kg dry
5110128-06	GW-3 (4-6)	Fluoranthene	8270D	3.5		mg/kg dry
5110128-06	GW-3 (4-6)	Fluorene	8270D	0.33	J	mg/kg dry
5110128-06	GW-3 (4-6)	Indeno(1,2,3-cd)pyrene	8270D	0.84		mg/kg dry
5110128-06	GW-3 (4-6)	Naphthalene	8270D	0.18	J	mg/kg dry
5110128-06	GW-3 (4-6)	Phenanthrene	8270D	3.1		mg/kg dry
5110128-06	GW-3 (4-6)	Pyrene	8270D	2.8		mg/kg dry
5110128-06	GW-3 (4-6)	Naphthalene	8260B	0.0039	J	mg/kg dry
5110128-07	GW-9 (0-1)	Acenaphthylene	8270D	0.13	J	mg/kg dry
5110128-07	GW-9 (0-1)	Anthracene	8270D	0.16	J	mg/kg dry
5110128-07	GW-9 (0-1)	Benzo(a)anthracene	8270D	0.41	J	mg/kg dry
5110128-07	GW-9 (0-1)	Benzo(a)pyrene	8270D	0.32	J	mg/kg dry
5110128-07	GW-9 (0-1)	Benzo(b)fluoranthene	8270D	0.38	J	mg/kg dry
5110128-07	GW-9 (0-1)	Benzo(g,h,i)perylene	8270D	0.16	J	mg/kg dry
5110128-07	GW-9 (0-1)	Benzo(k)fluoranthene	8270D	0.16	J	mg/kg dry
5110128-07	GW-9 (0-1)	Chrysene	8270D	0.44		mg/kg dry
5110128-07	GW-9 (0-1)	Fluoranthene	8270D	0.43		mg/kg dry
5110128-07	GW-9 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	0.16	J	mg/kg dry
5110128-07	GW-9 (0-1)	Phenanthrene	8270D	0.31	J	mg/kg dry
5110128-07	GW-9 (0-1)	Pyrene	8270D	0.62		mg/kg dry
5110128-07	GW-9 (0-1)	Acetone	8260B	0.072		mg/kg dry
5110128-08	GW-9 (4-6)	Acetone	8260B	0.11		mg/kg dry

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
Phone: 704/529-6364 - Toll Free Number: 1-800/529-6364 - Fax: 704/525-0409

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-1 (0-1)
Prism Sample ID: 5110128-01
Prism Work Order: 5110128
Time Collected: 11/04/15 09:30
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	6.4	1.3	50	*8015C	11/10/15 2:19	ANG	P5K0162
			Surrogate			Recovery	Control Limits		
			a,a,a-Trifluorotoluene			*86 %*	*50-137*		
General Chemistry Parameters									
% Solids	**72.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0058	0.00048	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0058	0.00039	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0058	0.00052	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0058	0.00016	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0058	0.00026	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0058	0.00032	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0058	0.00033	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0058	0.00074	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0058	0.00043	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0058	0.00044	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0058	0.00023	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0058	0.00027	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0058	0.00035	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0058	0.00036	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0058	0.00044	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0058	0.00039	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0058	0.00029	1	8260B	11/6/15 16:42	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0058	0.00023	1	8260B	11/6/15 16:42	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0058	0.00030	1	8260B	11/6/15 16:42	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0058	0.00035	1	8260B	11/6/15 16:42	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Acetone	**0.092**	**mg/kg dry**	**0.058**	**0.0014**	**1**	**8260B**	**11/6/15 16:42**	**MW&C(**	**P5K0076**
Benzene	BRL	mg/kg dry	0.0035	0.00034	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0058	0.00049	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0058	0.00032	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0058	0.00032	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0058	0.00066	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.012	0.00072	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0058	0.00029	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0058	0.00031	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.012	0.00049	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0058	0.00042	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0058	0.00039	1	8260B	11/6/15 16:42	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-1 (0-1)
Prism Sample ID: 5110128-01
Prism Work Order: 5110128
Time Collected: 11/04/15 09:30
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0058	0.00025	1	8260B	11/6/15 16:42	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0058	0.00020	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0058	0.00024	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0058	0.00026	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0058	0.00022	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0058	0.00024	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0058	0.00034	1	8260B	11/6/15 16:42	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.012	0.00054	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.058	0.00053	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.12	0.00053	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.058	0.00050	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0058	0.00033	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.012	0.00019	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.012	0.00018	1	8260B	11/6/15 16:42	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0058	0.00030	1	8260B	11/6/15 16:42	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0058	0.00035	1	8260B	11/6/15 16:42	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0058	0.00024	1	8260B	11/6/15 16:42	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0058	0.00035	1	8260B	11/6/15 16:42	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0058	0.00020	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0058	0.00033	1	8260B	11/6/15 16:42	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0058	0.00035	1	8260B	11/6/15 16:42	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0058	0.00031	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0058	0.00038	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0058	0.00038	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.029	0.00080	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0058	0.00028	1	8260B	11/6/15 16:42	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	11/6/15 16:42	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*113 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*105 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-1 (2-4)
Prism Sample ID: 5110128-02
Prism Work Order: 5110128
Time Collected: 11/04/15 09:40
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	7.4	1.5	50	*8015C	11/10/15 2:47	ANG	P5K0162
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*86 %*		*50-137*	
General Chemistry Parameters									
% Solids	**67.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0056	0.00046	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0056	0.00038	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0056	0.00050	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0056	0.00016	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0056	0.00025	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0056	0.00031	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0056	0.00032	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0056	0.00072	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0056	0.00042	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0056	0.00043	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0056	0.00023	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0056	0.00026	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0056	0.00033	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0056	0.00035	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0056	0.00042	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0056	0.00037	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0056	0.00028	1	8260B	11/6/15 17:10	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0056	0.00022	1	8260B	11/6/15 17:10	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0056	0.00029	1	8260B	11/6/15 17:10	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0056	0.00033	1	8260B	11/6/15 17:10	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Acetone	BRL	mg/kg dry	0.056	0.0014	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0056	0.00047	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0056	0.00031	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0056	0.00031	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0056	0.00064	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.011	0.00069	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0056	0.00028	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0056	0.00030	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.011	0.00047	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0056	0.00041	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0056	0.00038	1	8260B	11/6/15 17:10	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-1 (2-4)
Prism Sample ID: 5110128-02
Prism Work Order: 5110128
Time Collected: 11/04/15 09:40
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0056	0.00024	1	8260B	11/6/15 17:10	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0056	0.00019	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0056	0.00023	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0056	0.00026	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0056	0.00022	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0056	0.00023	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0056	0.00033	1	8260B	11/6/15 17:10	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00052	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.056	0.00051	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00051	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.056	0.00048	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0056	0.00032	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.011	0.00018	1	8260B	11/6/15 17:10	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0056	0.00029	1	8260B	11/6/15 17:10	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0056	0.00033	1	8260B	11/6/15 17:10	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0056	0.00023	1	8260B	11/6/15 17:10	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0056	0.00034	1	8260B	11/6/15 17:10	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0056	0.00019	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0056	0.00032	1	8260B	11/6/15 17:10	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0056	0.00034	1	8260B	11/6/15 17:10	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0056	0.00030	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0056	0.00036	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0056	0.00036	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.028	0.00077	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0056	0.00027	1	8260B	11/6/15 17:10	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	11/6/15 17:10	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (0-1)
Prism Sample ID: 5110128-03
Prism Work Order: 5110128
Time Collected: 11/04/15 10:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.19	0.018	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1221	BRL	mg/kg dry	0.39	0.15	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1232	BRL	mg/kg dry	0.39	0.050	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1242	BRL	mg/kg dry	0.19	0.051	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1248	BRL	mg/kg dry	0.19	0.039	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1254	BRL	mg/kg dry	0.19	0.048	1	8082A	11/13/15 1:54	JMC	P5K0247
Aroclor 1260	BRL	mg/kg dry	0.19	0.027	1	8082A	11/13/15 1:54	JMC	P5K0247
			Surrogate			Recovery	Control Limits		
			Tetrachloro-m-xylene			*64 %*	*36-182*		
			Decachlorobiphenyl			*88 %*	*34-182*		
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 19:43	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 19:43	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 19:43	JMV	P5K0151
1-Methylnaphthalene	**0.12 J**	**mg/kg dry**	**0.42**	**0.082**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.079	1	8270D	11/10/15 19:43	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 19:43	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 19:43	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 19:43	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 19:43	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 19:43	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 19:43	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
2-Methylnaphthalene	**0.15 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 19:43	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.077	1	8270D	11/10/15 19:43	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.084	1	8270D	11/10/15 19:43	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 19:43	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 19:43	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 19:43	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 19:43	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 19:43	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 19:43	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 19:43	JMV	P5K0151
Acenaphthene	**0.22 J**	**mg/kg dry**	**0.42**	**0.058**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Acenaphthylene	**0.87**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Anthracene	**1.4**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**

Cardno - Charlotte
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (0-1)
Prism Sample ID: 5110128-03
Prism Work Order: 5110128
Time Collected: 11/04/15 10:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Azobenzene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 19:43	JMV	P5K0151
Benzo(a)anthracene	**2.3**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Benzo(a)pyrene	**1.7**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**2.2**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.85**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.92**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.42	0.036	1	8270D	11/10/15 19:43	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 19:43	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.074	1	8270D	11/10/15 19:43	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 19:43	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 19:43	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
Chrysene	**1.8**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.24 J**	**mg/kg dry**	**0.42**	**0.052**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Dibenzofuran	**0.42**	**mg/kg dry**	**0.42**	**0.064**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 19:43	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 19:43	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 19:43	JMV	P5K0151
Fluoranthene	**4.6**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Fluorene	**0.36 J**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 19:43	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 19:43	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 19:43	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 19:43	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.92**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 19:43	JMV	P5K0151
Naphthalene	**0.18 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 19:43	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 19:43	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 19:43	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 19:43	JMV	P5K0151
Phenanthrene	**4.5**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 19:43	JMV	P5K0151
Pyrene	**4.0**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 19:43**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*75 %*	*39-132*
2-Fluorobiphenyl	*87 %*	*44-115*
2-Fluorophenol	*69 %*	*35-115*
Nitrobenzene-d5	*74 %*	*37-122*
Phenol-d5	*75 %*	*34-121*

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (0-1)
Prism Sample ID: 5110128-03
Prism Work Order: 5110128
Time Collected: 11/04/15 10:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			Terphenyl-d14			*88 %*		*54-127*	
Total Metals									
Aluminum	**20000**	**mg/kg dry**	**660**	**89**	**200**	***6010C**	**11/12/15 17:49**	**BGM**	**P5K0149**
Mercury	**0.084**	**mg/kg dry**	**0.024**	**0.0016**	**1**	***7471B**	**11/9/15 12:24**	**JAB**	**P5K0150**
Antimony	BRL	mg/kg dry	0.33	0.052	1	*6010C	11/9/15 23:47	BGM	P5K0149
Arsenic	**6.2**	**mg/kg dry**	**0.33**	**0.073**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Barium	**18**	**mg/kg dry**	**0.66**	**0.35**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Beryllium	BRL	mg/kg dry	0.33	0.011	1	*6010C	11/9/15 23:47	BGM	P5K0149
Cadmium	BRL	mg/kg dry	0.33	0.0069	1	*6010C	11/9/15 23:47	BGM	P5K0149
Calcium	**290**	**mg/kg dry**	**13**	**0.85**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Chromium	**22**	**mg/kg dry**	**0.33**	**0.045**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Cobalt	**0.97**	**mg/kg dry**	**0.33**	**0.010**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Copper	**1.1**	**mg/kg dry**	**0.66**	**0.11**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Iron	**17000**	**mg/kg dry**	**1300**	**380**	**200**	***6010C**	**11/12/15 17:49**	**BGM**	**P5K0149**
Lead	**9.3**	**mg/kg dry**	**0.33**	**0.034**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Magnesium	**680**	**mg/kg dry**	**3.3**	**0.36**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Manganese	**9.1**	**mg/kg dry**	**0.33**	**0.060**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Nickel	**3.3**	**mg/kg dry**	**0.66**	**0.061**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Potassium	**440**	**mg/kg dry**	**16**	**1.6**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Selenium	BRL	mg/kg dry	0.66	0.048	1	*6010C	11/9/15 23:47	BGM	P5K0149
Silver	BRL	mg/kg dry	0.33	0.0054	1	*6010C	11/9/15 23:47	BGM	P5K0149
Sodium	**53**	**mg/kg dry**	**20**	**0.57**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Thallium	BRL	mg/kg dry	0.66	0.047	1	*6010C	11/9/15 23:47	BGM	P5K0149
Vanadium	**35**	**mg/kg dry**	**0.33**	**0.011**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Zinc	**7.7**	**mg/kg dry**	**3.3**	**0.040**	**1**	***6010C**	**11/9/15 23:47**	**BGM**	**P5K0149**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00044	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0054	0.00048	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0054	0.00015	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00024	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0054	0.00069	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00040	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00025	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00033	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/6/15 17:38	MW&C(	P5K0076

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (0-1)
Prism Sample ID: 5110128-03
Prism Work Order: 5110128
Time Collected: 11/04/15 10:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/6/15 17:38	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/6/15 17:38	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/6/15 17:38	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Acetone	BRL	mg/kg dry	0.054	0.0013	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Benzene	BRL	mg/kg dry	0.0032	0.00031	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0054	0.00045	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0054	0.00061	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.011	0.00067	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0054	0.00029	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.011	0.00045	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0054	0.00039	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/6/15 17:38	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00023	1	8260B	11/6/15 17:38	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0054	0.00024	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00050	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.054	0.00049	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00049	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.054	0.00046	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/6/15 17:38	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/6/15 17:38	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 17:38	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/6/15 17:38	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 17:38	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/6/15 17:38	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (0-1)
Prism Sample ID: 5110128-03
Prism Work Order: 5110128
Time Collected: 11/04/15 10:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Trichloroethylene	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.027	0.00074	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 17:38	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.016	0.0010	1	8260B	11/6/15 17:38	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (5-7)
Prism Sample ID: 5110128-04
Prism Work Order: 5110128
Time Collected: 11/04/15 10:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**74.0**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.068	0.0064	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1221	BRL	mg/kg dry	0.14	0.054	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1232	BRL	mg/kg dry	0.14	0.018	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1242	BRL	mg/kg dry	0.068	0.018	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1248	BRL	mg/kg dry	0.068	0.014	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1254	BRL	mg/kg dry	0.068	0.017	1	8082A	11/13/15 2:37	JMC	P5K0247
Aroclor 1260	BRL	mg/kg dry	0.068	0.0093	1	8082A	11/13/15 2:37	JMC	P5K0247
			Surrogate			Recovery	Control Limits		
			Tetrachloro-m-xylene			*56 %*	*36-182*		
			Decachlorobiphenyl			*89 %*	*34-182*		
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.45	0.069	1	8270D	11/10/15 20:05	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.45	0.068	1	8270D	11/10/15 20:05	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.45	0.065	1	8270D	11/10/15 20:05	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.45	0.086	1	8270D	11/10/15 20:05	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.45	0.084	1	8270D	11/10/15 20:05	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.45	0.086	1	8270D	11/10/15 20:05	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.45	0.068	1	8270D	11/10/15 20:05	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.45	0.062	1	8270D	11/10/15 20:05	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.45	0.054	1	8270D	11/10/15 20:05	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.45	0.059	1	8270D	11/10/15 20:05	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.45	0.065	1	8270D	11/10/15 20:05	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.45	0.071	1	8270D	11/10/15 20:05	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.45	0.057	1	8270D	11/10/15 20:05	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.45	0.081	1	8270D	11/10/15 20:05	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.45	0.088	1	8270D	11/10/15 20:05	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.45	0.055	1	8270D	11/10/15 20:05	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.45	0.067	1	8270D	11/10/15 20:05	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.45	0.077	1	8270D	11/10/15 20:05	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.45	0.062	1	8270D	11/10/15 20:05	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.45	0.054	1	8270D	11/10/15 20:05	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.45	0.058	1	8270D	11/10/15 20:05	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.45	0.069	1	8270D	11/10/15 20:05	JMV	P5K0151
Acenaphthene	**0.17 J**	**mg/kg dry**	**0.45**	**0.061**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Acenaphthylene	**0.74**	**mg/kg dry**	**0.45**	**0.065**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Anthracene	**1.3**	**mg/kg dry**	**0.45**	**0.072**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.45	0.059	1	8270D	11/10/15 20:05	JMV	P5K0151

Cardno - Charlotte
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (5-7)
Prism Sample ID: 5110128-04
Prism Work Order: 5110128
Time Collected: 11/04/15 10:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(a)anthracene	**2.1**	**mg/kg dry**	**0.45**	**0.058**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Benzo(a)pyrene	**1.5**	**mg/kg dry**	**0.45**	**0.048**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**2.0**	**mg/kg dry**	**0.45**	**0.052**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.77**	**mg/kg dry**	**0.45**	**0.049**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.64**	**mg/kg dry**	**0.45**	**0.058**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.45	0.038	1	8270D	11/10/15 20:05	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.45	0.059	1	8270D	11/10/15 20:05	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.45	0.077	1	8270D	11/10/15 20:05	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.45	0.076	1	8270D	11/10/15 20:05	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.45	0.066	1	8270D	11/10/15 20:05	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
Chrysene	**1.7**	**mg/kg dry**	**0.45**	**0.056**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.22 J**	**mg/kg dry**	**0.45**	**0.054**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Dibenzofuran	**0.34 J**	**mg/kg dry**	**0.45**	**0.068**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.45	0.061	1	8270D	11/10/15 20:05	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.45	0.059	1	8270D	11/10/15 20:05	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.45	0.055	1	8270D	11/10/15 20:05	JMV	P5K0151
Fluoranthene	**4.2**	**mg/kg dry**	**0.45**	**0.057**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Fluorene	**0.25 J**	**mg/kg dry**	**0.45**	**0.064**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.45	0.071	1	8270D	11/10/15 20:05	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.45	0.080	1	8270D	11/10/15 20:05	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.45	0.079	1	8270D	11/10/15 20:05	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.45	0.075	1	8270D	11/10/15 20:05	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.85**	**mg/kg dry**	**0.45**	**0.051**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.45	0.060	1	8270D	11/10/15 20:05	JMV	P5K0151
Naphthalene	**0.13 J**	**mg/kg dry**	**0.45**	**0.072**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 20:05	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.45	0.070	1	8270D	11/10/15 20:05	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.45	0.068	1	8270D	11/10/15 20:05	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.45	0.053	1	8270D	11/10/15 20:05	JMV	P5K0151
Phenanthrene	**3.6**	**mg/kg dry**	**0.45**	**0.058**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.45	0.066	1	8270D	11/10/15 20:05	JMV	P5K0151
Pyrene	**3.6**	**mg/kg dry**	**0.45**	**0.059**	**1**	**8270D**	**11/10/15 20:05**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*83 %*	*39-132*
2-Fluorobiphenyl	*79 %*	*44-115*
2-Fluorophenol	*70 %*	*35-115*
Nitrobenzene-d5	*66 %*	*37-122*
Phenol-d5	*74 %*	*34-121*
Terphenyl-d14	*83 %*	*54-127*

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (5-7)
Prism Sample ID: 5110128-04
Prism Work Order: 5110128
Time Collected: 11/04/15 10:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Total Metals									
Aluminum	**29000**	**mg/kg dry**	**660**	**90**	**200**	***6010C**	**11/12/15 17:55**	**BGM**	**P5K0149**
Mercury	**0.045**	**mg/kg dry**	**0.025**	**0.0016**	**1**	***7471B**	**11/9/15 12:38**	**JAB**	**P5K0150**
Antimony	BRL	mg/kg dry	0.33	0.052	1	*6010C	11/10/15 1:12	BGM	P5K0149
Arsenic	**3.1**	**mg/kg dry**	**0.33**	**0.074**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Barium	**79**	**mg/kg dry**	**0.66**	**0.35**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Beryllium	**0.99**	**mg/kg dry**	**0.33**	**0.011**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Cadmium	**0.37**	**mg/kg dry**	**0.33**	**0.0070**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Calcium	**850**	**mg/kg dry**	**13**	**0.86**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Chromium	**30**	**mg/kg dry**	**0.33**	**0.045**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Cobalt	**21**	**mg/kg dry**	**0.33**	**0.010**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Copper	**55**	**mg/kg dry**	**0.66**	**0.12**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Iron	**68000**	**mg/kg dry**	**1300**	**390**	**200**	***6010C**	**11/12/15 17:55**	**BGM**	**P5K0149**
Lead	**13**	**mg/kg dry**	**0.33**	**0.035**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Magnesium	**1100**	**mg/kg dry**	**3.3**	**0.36**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Manganese	**410**	**mg/kg dry**	**0.33**	**0.061**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Nickel	**8.8**	**mg/kg dry**	**0.66**	**0.062**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Potassium	**770**	**mg/kg dry**	**17**	**1.6**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Selenium	BRL	mg/kg dry	0.66	0.048	1	*6010C	11/10/15 1:12	BGM	P5K0149
Silver	BRL	mg/kg dry	0.33	0.0054	1	*6010C	11/10/15 1:12	BGM	P5K0149
Sodium	**70**	**mg/kg dry**	**20**	**0.58**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Thallium	BRL	mg/kg dry	0.66	0.048	1	*6010C	11/10/15 1:12	BGM	P5K0149
Vanadium	**120**	**mg/kg dry**	**0.33**	**0.011**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Zinc	**36**	**mg/kg dry**	**3.3**	**0.040**	**1**	***6010C**	**11/10/15 1:12**	**BGM**	**P5K0149**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00046	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0057	0.00050	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0057	0.00016	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00025	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00031	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0057	0.00072	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0057	0.00042	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0057	0.00034	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00035	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0057	0.00043	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	11/6/15 18:06	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (5-7)
Prism Sample ID: 5110128-04
Prism Work Order: 5110128
Time Collected: 11/04/15 10:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,3-Dichloropropane	BRL	mg/kg dry	0.0057	0.00028	1	8260B	11/6/15 18:06	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	11/6/15 18:06	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	11/6/15 18:06	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	11/6/15 18:06	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Acetone	BRL	mg/kg dry	0.057	0.0014	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Benzene	BRL	mg/kg dry	0.0034	0.00033	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0057	0.00047	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0057	0.00031	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0057	0.00032	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0057	0.00064	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.011	0.00070	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0057	0.00028	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.011	0.00047	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0057	0.00041	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0057	0.00038	1	8260B	11/6/15 18:06	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00024	1	8260B	11/6/15 18:06	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0057	0.00023	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0057	0.00026	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0057	0.00022	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0057	0.00023	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0057	0.00033	1	8260B	11/6/15 18:06	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00052	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.057	0.00051	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00051	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.057	0.00048	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0057	0.00032	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00018	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.011	0.00018	1	8260B	11/6/15 18:06	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0057	0.00029	1	8260B	11/6/15 18:06	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	11/6/15 18:06	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0057	0.00023	1	8260B	11/6/15 18:06	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	11/6/15 18:06	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0057	0.00019	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0057	0.00032	1	8260B	11/6/15 18:06	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0057	0.00034	1	8260B	11/6/15 18:06	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0057	0.00030	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0057	0.00037	1	8260B	11/6/15 18:06	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-4 (5-7)
Prism Sample ID: 5110128-04
Prism Work Order: 5110128
Time Collected: 11/04/15 10:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Trichlorofluoromethane	BRL	mg/kg dry	0.0057	0.00037	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.028	0.00077	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0057	0.00027	1	8260B	11/6/15 18:06	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.017	0.0011	1	8260B	11/6/15 18:06	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*100 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (0-1)
Prism Sample ID: 5110128-05
Prism Work Order: 5110128
Time Collected: 11/04/15 11:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 17:50	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 17:50	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 17:50	JMV	P5K0151
1-Methylnaphthalene	**0.34 J**	**mg/kg dry**	**0.42**	**0.082**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.080	1	8270D	11/10/15 17:50	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 17:50	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 17:50	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 17:50	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 17:50	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:50	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 17:50	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
2-Methylnaphthalene	**0.42**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 17:50	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.077	1	8270D	11/10/15 17:50	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.084	1	8270D	11/10/15 17:50	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 17:50	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 17:50	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 17:50	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 17:50	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 17:50	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 17:50	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 17:50	JMV	P5K0151
Acenaphthene	**2.5**	**mg/kg dry**	**0.42**	**0.058**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Acenaphthylene	**0.13 J**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Anthracene	**4.4**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:50	JMV	P5K0151
Benzo(a)anthracene	**12**	**mg/kg dry**	**2.1**	**0.28**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Benzo(a)pyrene	**11**	**mg/kg dry**	**2.1**	**0.23**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**11**	**mg/kg dry**	**2.1**	**0.25**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**6.8**	**mg/kg dry**	**0.42**	**0.047**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**4.2**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.42	0.036	1	8270D	11/10/15 17:50	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:50	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.074	1	8270D	11/10/15 17:50	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 17:50	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 17:50	JMV	P5K0151

Cardno - Charlotte
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (0-1)
Prism Sample ID: 5110128-05
Prism Work Order: 5110128
Time Collected: 11/04/15 11:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
Chrysene	**9.8**	**mg/kg dry**	**2.1**	**0.27**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**1.5**	**mg/kg dry**	**0.42**	**0.052**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Dibenzofuran	**0.80**	**mg/kg dry**	**0.42**	**0.064**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 17:50	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:50	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 17:50	JMV	P5K0151
Fluoranthene	**21**	**mg/kg dry**	**2.1**	**0.27**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Fluorene	**1.5**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 17:50	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 17:50	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 17:50	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 17:50	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**7.3**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 17:50	JMV	P5K0151
Naphthalene	**0.51**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 17:50**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:50	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 17:50	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 17:50	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 17:50	JMV	P5K0151
Phenanthrene	**14**	**mg/kg dry**	**2.1**	**0.28**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 17:50	JMV	P5K0151
Pyrene	**18**	**mg/kg dry**	**2.1**	**0.28**	**5**	**8270D**	**11/12/15 0:36**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*73 %*	*39-132*
2-Fluorobiphenyl	*77 %*	*44-115*
2-Fluorophenol	*73 %*	*35-115*
Nitrobenzene-d5	*71 %*	*37-122*
Phenol-d5	*74 %*	*34-121*
Terphenyl-d14	*86 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0049	0.00040	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0049	0.00033	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0049	0.00043	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0049	0.00014	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00022	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0049	0.00028	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0049	0.00062	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0049	0.00036	1	8260B	11/6/15 18:33	MW&C(	P5K0076

Cardno - Charlotte
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (0-1)
Prism Sample ID: 5110128-05
Prism Work Order: 5110128
Time Collected: 11/04/15 11:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0049	0.00037	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0049	0.00030	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0049	0.00037	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00032	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 18:33	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00019	1	8260B	11/6/15 18:33	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 18:33	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0049	0.00025	1	8260B	11/6/15 18:33	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Acetone	BRL	mg/kg dry	0.049	0.0012	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Benzene	BRL	mg/kg dry	0.0029	0.00028	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0049	0.00041	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0049	0.00055	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.0097	0.00060	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0049	0.00026	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.0097	0.00041	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0049	0.00035	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0049	0.00033	1	8260B	11/6/15 18:33	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00021	1	8260B	11/6/15 18:33	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00016	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0049	0.00022	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0049	0.00019	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.0097	0.00045	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.049	0.00044	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.097	0.00044	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.049	0.00042	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0097	0.00016	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.0097	0.00015	1	8260B	11/6/15 18:33	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0049	0.00025	1	8260B	11/6/15 18:33	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 18:33	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 18:33	MW&C(	P5K0076

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (0-1)
Prism Sample ID: 5110128-05
Prism Work Order: 5110128
Time Collected: 11/04/15 11:45
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Styrene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0049	0.00016	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0049	0.00028	1	8260B	11/6/15 18:33	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 18:33	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00026	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0049	0.00032	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0049	0.00031	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.024	0.00067	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 18:33	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.015	0.00091	1	8260B	11/6/15 18:33	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (4-6)
Prism Sample ID: 5110128-06
Prism Work Order: 5110128
Time Collected: 11/04/15 11:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**69.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.47	0.074	1	8270D	11/10/15 16:42	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.47	0.072	1	8270D	11/10/15 16:42	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.47	0.069	1	8270D	11/10/15 16:42	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.47	0.091	1	8270D	11/10/15 16:42	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.47	0.089	1	8270D	11/10/15 16:42	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.47	0.092	1	8270D	11/10/15 16:42	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.47	0.073	1	8270D	11/10/15 16:42	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.47	0.066	1	8270D	11/10/15 16:42	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.47	0.058	1	8270D	11/10/15 16:42	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.47	0.063	1	8270D	11/10/15 16:42	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.47	0.069	1	8270D	11/10/15 16:42	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
2-Methylnaphthalene	**0.14 J**	**mg/kg dry**	**0.47**	**0.076**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.47	0.061	1	8270D	11/10/15 16:42	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.47	0.086	1	8270D	11/10/15 16:42	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.47	0.094	1	8270D	11/10/15 16:42	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.47	0.058	1	8270D	11/10/15 16:42	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.47	0.071	1	8270D	11/10/15 16:42	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.47	0.081	1	8270D	11/10/15 16:42	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.47	0.057	1	8270D	11/10/15 16:42	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.47	0.062	1	8270D	11/10/15 16:42	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.47	0.073	1	8270D	11/10/15 16:42	JMV	P5K0151
Acenaphthene	**0.51**	**mg/kg dry**	**0.47**	**0.064**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Acenaphthylene	BRL	mg/kg dry	0.47	0.069	1	8270D	11/10/15 16:42	JMV	P5K0151
Anthracene	**0.83**	**mg/kg dry**	**0.47**	**0.076**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.47	0.063	1	8270D	11/10/15 16:42	JMV	P5K0151
Benzo(a)anthracene	**1.6**	**mg/kg dry**	**0.47**	**0.062**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Benzo(a)pyrene	**1.4**	**mg/kg dry**	**0.47**	**0.051**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**0.25 J**	**mg/kg dry**	**0.47**	**0.055**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.76**	**mg/kg dry**	**0.47**	**0.052**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.27 J**	**mg/kg dry**	**0.47**	**0.062**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.47	0.040	1	8270D	11/10/15 16:42	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.47	0.062	1	8270D	11/10/15 16:42	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.47	0.082	1	8270D	11/10/15 16:42	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.47	0.081	1	8270D	11/10/15 16:42	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.47	0.070	1	8270D	11/10/15 16:42	JMV	P5K0151

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (4-6)
Prism Sample ID: 5110128-06
Prism Work Order: 5110128
Time Collected: 11/04/15 11:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.47	0.068	1	8270D	11/10/15 16:42	JMV	P5K0151
Chrysene	**1.4**	**mg/kg dry**	**0.47**	**0.060**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.19 J**	**mg/kg dry**	**0.47**	**0.058**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Dibenzofuran	**0.24 J**	**mg/kg dry**	**0.47**	**0.072**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.47	0.065	1	8270D	11/10/15 16:42	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.47	0.063	1	8270D	11/10/15 16:42	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.47	0.058	1	8270D	11/10/15 16:42	JMV	P5K0151
Fluoranthene	**3.5**	**mg/kg dry**	**0.47**	**0.060**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Fluorene	**0.33 J**	**mg/kg dry**	**0.47**	**0.068**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.47	0.075	1	8270D	11/10/15 16:42	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.47	0.085	1	8270D	11/10/15 16:42	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.47	0.085	1	8270D	11/10/15 16:42	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.47	0.079	1	8270D	11/10/15 16:42	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.84**	**mg/kg dry**	**0.47**	**0.054**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.47	0.064	1	8270D	11/10/15 16:42	JMV	P5K0151
Naphthalene	**0.18 J**	**mg/kg dry**	**0.47**	**0.076**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.47	0.067	1	8270D	11/10/15 16:42	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.47	0.075	1	8270D	11/10/15 16:42	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.47	0.072	1	8270D	11/10/15 16:42	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.47	0.056	1	8270D	11/10/15 16:42	JMV	P5K0151
Phenanthrene	**3.1**	**mg/kg dry**	**0.47**	**0.062**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.47	0.070	1	8270D	11/10/15 16:42	JMV	P5K0151
Pyrene	**2.8**	**mg/kg dry**	**0.47**	**0.063**	**1**	**8270D**	**11/10/15 16:42**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*80 %*	*39-132*
2-Fluorobiphenyl	*77 %*	*44-115*
2-Fluorophenol	*72 %*	*35-115*
Nitrobenzene-d5	*70 %*	*37-122*
Phenol-d5	*74 %*	*34-121*
Terphenyl-d14	*79 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0053	0.00043	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0053	0.00036	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0053	0.00047	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0053	0.00015	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0053	0.00023	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0053	0.00029	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0053	0.00030	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0053	0.00067	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0053	0.00039	1	8260B	11/6/15 19:01	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (4-6)
Prism Sample ID: 5110128-06
Prism Work Order: 5110128
Time Collected: 11/04/15 11:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0053	0.00040	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2-Dibromoethane	BRL	mg/kg dry	0.0053	0.00021	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0053	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0053	0.00033	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0053	0.00040	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0053	0.00035	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0053	0.00026	1	8260B	11/6/15 19:01	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0053	0.00021	1	8260B	11/6/15 19:01	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0053	0.00027	1	8260B	11/6/15 19:01	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0053	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Acetone	BRL	mg/kg dry	0.053	0.0013	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Benzene	BRL	mg/kg dry	0.0032	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0053	0.00044	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0053	0.00029	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0053	0.00029	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0053	0.00060	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.011	0.00065	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0053	0.00026	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0053	0.00028	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.011	0.00044	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0053	0.00038	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0053	0.00035	1	8260B	11/6/15 19:01	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0053	0.00022	1	8260B	11/6/15 19:01	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0053	0.00018	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0053	0.00022	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0053	0.00024	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0053	0.00020	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0053	0.00021	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0053	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00049	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.053	0.00048	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00048	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.053	0.00045	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0053	0.00030	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Naphthalene	**0.0039 J**	**mg/kg dry**	**0.011**	**0.00017**	**1**	**8260B**	**11/6/15 19:01**	**MW&C(**	**P5K0076**
n-Butylbenzene	BRL	mg/kg dry	0.0053	0.00027	1	8260B	11/6/15 19:01	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0053	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0053	0.00022	1	8260B	11/6/15 19:01	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-3 (4-6)
Prism Sample ID: 5110128-06
Prism Work Order: 5110128
Time Collected: 11/04/15 11:55
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Styrene	BRL	mg/kg dry	0.0053	0.00032	1	8260B	11/6/15 19:01	MW&C(	P5K0076
tert-Butylbenzene	BRL	mg/kg dry	0.0053	0.00018	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0053	0.00030	1	8260B	11/6/15 19:01	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0053	0.00031	1	8260B	11/6/15 19:01	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0053	0.00028	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0053	0.00034	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0053	0.00034	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.026	0.00072	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0053	0.00025	1	8260B	11/6/15 19:01	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.016	0.00099	1	8260B	11/6/15 19:01	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*101 %*	*70-130*
Dibromofluoromethane	*103 %*	*84-123*
Toluene-d8	*99 %*	*76-129*

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Sample Matrix: Solid

Client Sample ID: GW-9 (0-1)
Prism Sample ID: 5110128-07
Prism Work Order: 5110128
Time Collected: 11/04/15 13:50
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**76.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.43	0.067	1	8270D	11/10/15 15:57	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 15:57	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.43	0.060	1	8270D	11/10/15 15:57	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.43	0.063	1	8270D	11/10/15 15:57	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.43	0.083	1	8270D	11/10/15 15:57	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.43	0.080	1	8270D	11/10/15 15:57	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.43	0.083	1	8270D	11/10/15 15:57	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.43	0.066	1	8270D	11/10/15 15:57	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.43	0.060	1	8270D	11/10/15 15:57	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 15:57	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 15:57	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.43	0.062	1	8270D	11/10/15 15:57	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 15:57	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	11/10/15 15:57	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.43	0.055	1	8270D	11/10/15 15:57	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.43	0.078	1	8270D	11/10/15 15:57	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.43	0.085	1	8270D	11/10/15 15:57	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.43	0.053	1	8270D	11/10/15 15:57	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.43	0.064	1	8270D	11/10/15 15:57	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.43	0.074	1	8270D	11/10/15 15:57	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.43	0.060	1	8270D	11/10/15 15:57	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 15:57	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.43	0.056	1	8270D	11/10/15 15:57	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.43	0.066	1	8270D	11/10/15 15:57	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.43	0.058	1	8270D	11/10/15 15:57	JMV	P5K0151
Acenaphthylene	**0.13 J**	**mg/kg dry**	**0.43**	**0.062**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Anthracene	**0.16 J**	**mg/kg dry**	**0.43**	**0.069**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 15:57	JMV	P5K0151
Benzo(a)anthracene	**0.41 J**	**mg/kg dry**	**0.43**	**0.056**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.32 J**	**mg/kg dry**	**0.43**	**0.046**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**0.38 J**	**mg/kg dry**	**0.43**	**0.050**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.16 J**	**mg/kg dry**	**0.43**	**0.047**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.16 J**	**mg/kg dry**	**0.43**	**0.056**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.43	0.036	1	8270D	11/10/15 15:57	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 15:57	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.43	0.074	1	8270D	11/10/15 15:57	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 15:57	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.43	0.073	1	8270D	11/10/15 15:57	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.43	0.064	1	8270D	11/10/15 15:57	JMV	P5K0151

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Sample Matrix: Solid

Client Sample ID: GW-9 (0-1)
Prism Sample ID: 5110128-07
Prism Work Order: 5110128
Time Collected: 11/04/15 13:50
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 15:57	JMV	P5K0151
Chrysene	**0.44**	**mg/kg dry**	**0.43**	**0.054**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 15:57	JMV	P5K0151
Dibenzofuran	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 15:57	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.43	0.059	1	8270D	11/10/15 15:57	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 15:57	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 15:57	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.43	0.053	1	8270D	11/10/15 15:57	JMV	P5K0151
Fluoranthene	**0.43**	**mg/kg dry**	**0.43**	**0.055**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.43	0.062	1	8270D	11/10/15 15:57	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.43	0.068	1	8270D	11/10/15 15:57	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	11/10/15 15:57	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	11/10/15 15:57	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.43	0.072	1	8270D	11/10/15 15:57	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.16 J**	**mg/kg dry**	**0.43**	**0.049**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.43	0.058	1	8270D	11/10/15 15:57	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	11/10/15 15:57	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 15:57	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.43	0.068	1	8270D	11/10/15 15:57	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 15:57	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.43	0.051	1	8270D	11/10/15 15:57	JMV	P5K0151
Phenanthrene	**0.31 J**	**mg/kg dry**	**0.43**	**0.056**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P6K0151**
Phenol	BRL	mg/kg dry	0.43	0.063	1	8270D	11/10/15 15:57	JMV	P5K0151
Pyrene	**0.62**	**mg/kg dry**	**0.43**	**0.057**	**1**	**8270D**	**11/10/15 15:57**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*74 %*	*39-132*
2-Fluorobiphenyl	*77 %*	*44-115*
2-Fluorophenol	*68 %*	*35-115*
Nitrobenzene-d5	*69 %*	*37-122*
Phenol-d5	*72 %*	*34-121*
Terphenyl-d14	*77 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0049	0.00040	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0049	0.00033	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0049	0.00043	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0049	0.00014	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00022	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0049	0.00028	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0049	0.00062	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0049	0.00036	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0049	0.00037	1	8260B	11/6/15 19:29	MW&C(	P5K0076

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Client Sample ID: GW-9 (0-1)
Prism Sample ID: 5110128-07
Prism Work Order: 5110128
Time Collected: 11/04/15 13:50
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0049	0.00030	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0049	0.00037	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00032	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0049	0.00025	1	8260B	11/6/15 19:29	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0049	0.00019	1	8260B	11/6/15 19:29	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 19:29	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0049	0.00025	1	8260B	11/6/15 19:29	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Acetone	**0.072**	**mg/kg dry**	**0.049**	**0.0012**	**1**	**8260B**	**11/6/15 19:29**	**MW&C(**	**P5K0076**
Benzene	BRL	mg/kg dry	0.0029	0.00028	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0049	0.00041	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0049	0.00056	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.0098	0.00060	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0049	0.00026	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.0098	0.00041	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0049	0.00035	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0049	0.00033	1	8260B	11/6/15 19:29	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00021	1	8260B	11/6/15 19:29	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00016	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0049	0.00022	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0049	0.00019	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.0098	0.00045	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.049	0.00044	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.098	0.00044	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.049	0.00042	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0049	0.00027	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0098	0.00016	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.0098	0.00015	1	8260B	11/6/15 19:29	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0049	0.00025	1	8260B	11/6/15 19:29	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0049	0.00020	1	8260B	11/6/15 19:29	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-9 (0-1)
Prism Sample ID: 5110128-07
Prism Work Order: 5110128
Time Collected: 11/04/15 13:50
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0049	0.00017	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0049	0.00023	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0049	0.00028	1	8260B	11/6/15 19:29	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0049	0.00029	1	8260B	11/6/15 19:29	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0049	0.00026	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0049	0.00032	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0049	0.00032	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.024	0.00067	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0049	0.00024	1	8260B	11/6/15 19:29	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.015	0.00092	1	8260B	11/6/15 19:29	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*103 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-9 (4-6)
Prism Sample ID: 5110128-08
Prism Work Order: 5110128
Time Collected: 11/04/15 14:00
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**76.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.43	0.067	1	8270D	11/10/15 13:19	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 13:19	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.43	0.063	1	8270D	11/10/15 13:19	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.43	0.083	1	8270D	11/10/15 13:19	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.43	0.081	1	8270D	11/10/15 13:19	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.43	0.083	1	8270D	11/10/15 13:19	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.43	0.066	1	8270D	11/10/15 13:19	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.43	0.060	1	8270D	11/10/15 13:19	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 13:19	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 13:19	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.43	0.062	1	8270D	11/10/15 13:19	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	11/10/15 13:19	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.43	0.055	1	8270D	11/10/15 13:19	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.43	0.078	1	8270D	11/10/15 13:19	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.43	0.085	1	8270D	11/10/15 13:19	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.43	0.053	1	8270D	11/10/15 13:19	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 13:19	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.43	0.074	1	8270D	11/10/15 13:19	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.43	0.060	1	8270D	11/10/15 13:19	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 13:19	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.43	0.056	1	8270D	11/10/15 13:19	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.43	0.066	1	8270D	11/10/15 13:19	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.43	0.059	1	8270D	11/10/15 13:19	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.43	0.062	1	8270D	11/10/15 13:19	JMV	P5K0151
Anthracene	BRL	mg/kg dry	0.43	0.069	1	8270D	11/10/15 13:19	JMV	P5K0151
Azobenzene	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzo(a)anthracene	BRL	mg/kg dry	0.43	0.056	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzo(a)pyrene	BRL	mg/kg dry	0.43	0.047	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzo(b)fluoranthene	BRL	mg/kg dry	0.43	0.050	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.43	0.047	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzo(k)fluoranthene	BRL	mg/kg dry	0.43	0.056	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzoic Acid	BRL	mg/kg dry	0.43	0.036	1	8270D	11/10/15 13:19	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 13:19	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.43	0.075	1	8270D	11/10/15 13:19	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.43	0.074	1	8270D	11/10/15 13:19	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.43	0.064	1	8270D	11/10/15 13:19	JMV	P5K0151

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-9 (4-6)
Prism Sample ID: 5110128-08
Prism Work Order: 5110128
Time Collected: 11/04/15 14:00
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
Chrysene	BRL	mg/kg dry	0.43	0.054	1	8270D	11/10/15 13:19	JMV	P5K0151
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.43	0.052	1	8270D	11/10/15 13:19	JMV	P5K0151
Dibenzofuran	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 13:19	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.43	0.059	1	8270D	11/10/15 13:19	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 13:19	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.43	0.053	1	8270D	11/10/15 13:19	JMV	P5K0151
Fluoranthene	BRL	mg/kg dry	0.43	0.055	1	8270D	11/10/15 13:19	JMV	P5K0151
Fluorene	BRL	mg/kg dry	0.43	0.062	1	8270D	11/10/15 13:19	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.43	0.068	1	8270D	11/10/15 13:19	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	11/10/15 13:19	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.43	0.077	1	8270D	11/10/15 13:19	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.43	0.072	1	8270D	11/10/15 13:19	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.43	0.049	1	8270D	11/10/15 13:19	JMV	P5K0151
Isophorone	BRL	mg/kg dry	0.43	0.058	1	8270D	11/10/15 13:19	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.43	0.069	1	8270D	11/10/15 13:19	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.43	0.061	1	8270D	11/10/15 13:19	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.43	0.068	1	8270D	11/10/15 13:19	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.43	0.065	1	8270D	11/10/15 13:19	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.43	0.051	1	8270D	11/10/15 13:19	JMV	P5K0151
Phenanthrene	BRL	mg/kg dry	0.43	0.056	1	8270D	11/10/15 13:19	JMV	P5K0151
Phenol	BRL	mg/kg dry	0.43	0.064	1	8270D	11/10/15 13:19	JMV	P5K0151
Pyrene	BRL	mg/kg dry	0.43	0.057	1	8270D	11/10/15 13:19	JMV	P5K0151

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*75 %*	*39-132*
2-Fluorobiphenyl	*80 %*	*44-115*
2-Fluorophenol	*68 %*	*35-115*
Nitrobenzene-d5	*73 %*	*37-122*
Phenol-d5	*73 %*	*34-121*
Terphenyl-d14	*80 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00044	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00037	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0054	0.00048	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1-Dichloroethane	BRL	mg/kg dry	0.0054	0.00015	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00024	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,1-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0054	0.00069	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00040	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/6/15 19:57	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-9 (4-6)
Prism Sample ID: 5110128-08
Prism Work Order: 5110128
Time Collected: 11/04/15 14:00
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00025	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2-Dichloroethane	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00034	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,3-Dichloropropane	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/6/15 19:57	MW&C(	P5K0076
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/6/15 19:57	MW&C(	P5K0076
2,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
2-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/6/15 19:57	MW&C(	P5K0076
4-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 19:57	MW&C(	P5K0076
4-Isopropyltoluene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Acetone	**0.11**	**mg/kg dry**	**0.054**	**0.0013**	**1**	**8260B**	**11/6/15 19:57**	**MW&C(**	**P5K0076**
Benzene	BRL	mg/kg dry	0.0032	0.00031	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Bromobenzene	BRL	mg/kg dry	0.0054	0.00045	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Bromochloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Bromodichloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Bromoform	BRL	mg/kg dry	0.0054	0.00061	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Bromomethane	BRL	mg/kg dry	0.011	0.00067	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Carbon Tetrachloride	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Chlorobenzene	BRL	mg/kg dry	0.0054	0.00029	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Chloroethane	BRL	mg/kg dry	0.011	0.00045	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Chloroform	BRL	mg/kg dry	0.0054	0.00039	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Chloromethane	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/6/15 19:57	MW&C(	P5K0076
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00023	1	8260B	11/6/15 19:57	MW&C(	P5K0076
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Dibromochloromethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Dichlorodifluoromethane	BRL CVL	mg/kg dry	0.0054	0.00025	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Ethylbenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Isopropyl Ether	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 19:57	MW&C(	P5K0076
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00050	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.054	0.00049	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00049	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.054	0.00046	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Methylene Chloride	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/6/15 19:57	MW&C(	P5K0076
n-Butylbenzene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/6/15 19:57	MW&C(	P5K0076
n-Propylbenzene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 19:57	MW&C(	P5K0076
o-Xylene	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/6/15 19:57	MW&C(	P5K0076
sec-Butylbenzene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Styrene	BRL	mg/kg dry	0.0054	0.00033	1	8260B	11/6/15 19:57	MW&C(	P5K0076

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-9 (4-6)
Prism Sample ID: 5110128-08
Prism Work Order: 5110128
Time Collected: 11/04/15 14:00
Time Submitted: 11/05/15 16:40

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Tetrachloroethylene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Toluene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/6/15 19:57	MW&C(	P5K0076
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/6/15 19:57	MW&C(	P5K0076
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Trichloroethylene	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Trichlorofluoromethane	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Vinyl acetate	BRL	mg/kg dry	0.027	0.00074	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Vinyl chloride	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/6/15 19:57	MW&C(	P5K0076
Xylenes, total	BRL	mg/kg dry	0.016	0.0010	1	8260B	11/6/15 19:57	MW&C(	P5K0076

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*104 %*	*70-130*
Dibromofluoromethane	*104 %*	*84-123*
Toluene-d8	*100 %*	*76-129*

Cardno - Charlotte
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
Blank (P5K0076-BLK1)				Prepared & Analyzed: 11/06/15						
1,1,1,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,1-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1,2,2-Tetrachloroethane	BRL	0.0050	mg/kg wet							
1,1,2-Trichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethane	BRL	0.0050	mg/kg wet							
1,1-Dichloroethylene	BRL	0.0050	mg/kg wet							
1,1-Dichloropropylene	BRL	0.0050	mg/kg wet							
1,2,3-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,3-Trichloropropane	BRL	0.0050	mg/kg wet							
1,2,4-Trichlorobenzene	BRL	0.0050	mg/kg wet							
1,2,4-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,2-Dibromoethane	BRL	0.0050	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,2-Dichloroethane	BRL	0.0050	mg/kg wet							
1,2-Dichloropropane	BRL	0.0050	mg/kg wet							
1,3,5-Trimethylbenzene	BRL	0.0050	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.0050	mg/kg wet							
1,3-Dichloropropane	BRL	0.0050	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.0050	mg/kg wet							
2,2-Dichloropropane	BRL	0.0050	mg/kg wet							
2-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Chlorotoluene	BRL	0.0050	mg/kg wet							
4-Isopropyltoluene	BRL	0.0050	mg/kg wet							
Acetone	BRL	0.050	mg/kg wet							
Benzene	BRL	0.0030	mg/kg wet							
Bromobenzene	BRL	0.0050	mg/kg wet							
Bromochloromethane	BRL	0.0050	mg/kg wet							
Bromodichloromethane	BRL	0.0050	mg/kg wet							
Bromoform	BRL	0.0050	mg/kg wet							
Bromomethane	BRL	0.010	mg/kg wet							
Carbon Tetrachloride	BRL	0.0050	mg/kg wet							
Chlorobenzene	BRL	0.0050	mg/kg wet							
Chloroethane	BRL	0.010	mg/kg wet							
Chloroform	BRL	0.0050	mg/kg wet							
Chloromethane	BRL	0.0050	mg/kg wet							
cis-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
cis-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Dibromochloromethane	BRL	0.0050	mg/kg wet							
Dichlorodifluoromethane	BRL	0.0050	mg/kg wet							
Ethylbenzene	BRL	0.0050	mg/kg wet							
Isopropyl Ether	BRL	0.0050	mg/kg wet							
Isopropylbenzene (Cumene)	BRL	0.0050	mg/kg wet							
m,p-Xylenes	BRL	0.010	mg/kg wet							
Methyl Butyl Ketone (2-Hexanone)	BRL	0.050	mg/kg wet							
Methyl Ethyl Ketone (2-Butanone)	BRL	0.10	mg/kg wet							
Methyl Isobutyl Ketone	BRL	0.050	mg/kg wet							

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
Blank (P5K0076-BLK1)				Prepared & Analyzed: 11/06/15						
Methylene Chloride	BRL	0.0050	mg/kg wet							
Methyl-tert-Butyl Ether	BRL	0.010	mg/kg wet							
Naphthalene	BRL	0.010	mg/kg wet							
n-Butylbenzene	BRL	0.0050	mg/kg wet							
n-Propylbenzene	BRL	0.0050	mg/kg wet							
o-Xylene	BRL	0.0050	mg/kg wet							
sec-Butylbenzene	BRL	0.0050	mg/kg wet							
Styrene	BRL	0.0050	mg/kg wet							
tert-Butylbenzene	BRL	0.0050	mg/kg wet							
Tetrachloroethylene	BRL	0.0050	mg/kg wet							
Toluene	BRL	0.0050	mg/kg wet							
trans-1,2-Dichloroethylene	BRL	0.0050	mg/kg wet							
trans-1,3-Dichloropropylene	BRL	0.0050	mg/kg wet							
Trichloroethylene	BRL	0.0050	mg/kg wet							
Trichlorofluoromethane	BRL	0.0050	mg/kg wet							
Vinyl acetate	BRL	0.025	mg/kg wet							
Vinyl chloride	BRL	0.0050	mg/kg wet							
Xylenes, total	BRL	0.015	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*49.6*		*ug/L*	*50.00*		*99*	*84-123*			
Surrogate: Toluene-d8	*49.9*		*ug/L*	*50.00*		*100*	*76-129*			
LCS (P5K0076-BS1)				Prepared & Analyzed: 11/06/15						
1,1,1,2-Tetrachloroethane	0.0522	0.0050	mg/kg wet	0.05000		104	72-115			
1,1,1-Trichloroethane	0.0532	0.0050	mg/kg wet	0.05000		106	67-131			
1,1,2,2-Tetrachloroethane	0.0513	0.0050	mg/kg wet	0.05000		103	56-126			
1,1,2-Trichloroethane	0.0486	0.0050	mg/kg wet	0.05000		97	70-133			
1,1-Dichloroethane	0.0508	0.0050	mg/kg wet	0.05000		102	74-127			
1,1-Dichloroethylene	0.0479	0.0050	mg/kg wet	0.05000		96	67-149			
1,1-Dichloropropylene	0.0528	0.0050	mg/kg wet	0.05000		106	71-130			
1,2,3-Trichlorobenzene	0.0513	0.0050	mg/kg wet	0.05000		103	68-130			
1,2,3-Trichloropropane	0.0470	0.0050	mg/kg wet	0.05000		94	60-137			
1,2,4-Trichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	66-125			
1,2,4-Trimethylbenzene	0.0535	0.0050	mg/kg wet	0.05000		107	69-129			
1,2-Dibromoethane	0.0490	0.0050	mg/kg wet	0.05000		98	70-132			
1,2-Dichlorobenzene	0.0495	0.0050	mg/kg wet	0.05000		99	72-123			
1,2-Dichloroethane	0.0478	0.0050	mg/kg wet	0.05000		96	68-128			
1,2-Dichloropropane	0.0523	0.0050	mg/kg wet	0.05000		105	73-130			
1,3,5-Trimethylbenzene	0.0534	0.0050	mg/kg wet	0.05000		107	69-128			
1,3-Dichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	71-120			
1,3-Dichloropropane	0.0493	0.0050	mg/kg wet	0.05000		99	75-124			
1,4-Dichlorobenzene	0.0505	0.0050	mg/kg wet	0.05000		101	71-123			
2,2-Dichloropropane	0.0594	0.0050	mg/kg wet	0.05000		119	50-142			
2-Chlorotoluene	0.0521	0.0050	mg/kg wet	0.05000		104	67-124			
4-Chlorotoluene	0.0529	0.0050	mg/kg wet	0.05000		106	71-126			
4-Isopropyltoluene	0.0525	0.0050	mg/kg wet	0.05000		105	68-129			
Acetone	0.0795	0.050	mg/kg wet	0.1000		79	29-198			

Cardno - Charlotte
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
LCS (P5K0076-BS1)				Prepared & Analyzed: 11/06/15						
Benzene	0.0511	0.0030	mg/kg wet	0.05000		102	74-127			
Bromobenzene	0.0526	0.0050	mg/kg wet	0.05000		105	73-125			
Bromochloromethane	0.0486	0.0050	mg/kg wet	0.05000		97	72-134			
Bromodichloromethane	0.0529	0.0050	mg/kg wet	0.05000		106	75-122			
Bromoform	0.0415	0.0050	mg/kg wet	0.05000		83	66-135			
Bromomethane	0.0344	0.010	mg/kg wet	0.05000		69	20-180			
Carbon Tetrachloride	0.0545	0.0050	mg/kg wet	0.05000		109	64-143			
Chlorobenzene	0.0499	0.0050	mg/kg wet	0.05000		100	74-118			
Chloroethane	0.0474	0.010	mg/kg wet	0.05000		95	33-149			
Chloroform	0.0510	0.0050	mg/kg wet	0.05000		102	73-127			
Chloromethane	0.0316	0.0050	mg/kg wet	0.05000		63	45-143			
cis-1,2-Dichloroethylene	0.0506	0.0050	mg/kg wet	0.05000		101	76-134			
cis-1,3-Dichloropropylene	0.0554	0.0050	mg/kg wet	0.05000		111	71-125			
Dibromochloromethane	0.0508	0.0050	mg/kg wet	0.05000		102	73-122			
Dichlorodifluoromethane	0.0287	0.0050	mg/kg wet	0.05000		57	26-146			
Ethylbenzene	0.0518	0.0050	mg/kg wet	0.05000		104	74-128			
Isopropyl Ether	0.0461	0.0050	mg/kg wet	0.05000		92	59-159			
Isopropylbenzene (Cumene)	0.0582	0.0050	mg/kg wet	0.05000		116	68-126			
m,p-Xylenes	0.108	0.010	mg/kg wet	0.1000		108	75-124			
Methyl Butyl Ketone (2-Hexanone)	0.0493	0.050	mg/kg wet	0.05000		99	61-157			J
Methyl Ethyl Ketone (2-Butanone)	0.0384	0.10	mg/kg wet	0.05000		77	63-149			J
Methyl Isobutyl Ketone	0.0473	0.050	mg/kg wet	0.05000		95	57-162			J
Methylene Chloride	0.0488	0.0050	mg/kg wet	0.05000		97	74-129			
Methyl-tert-Butyl Ether	0.0448	0.010	mg/kg wet	0.05000		90	70-130			
Naphthalene	0.0514	0.010	mg/kg wet	0.05000		103	57-157			
n-Butylbenzene	0.0541	0.0050	mg/kg wet	0.05000		108	65-135			
n-Propylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	67-130			
o-Xylene	0.0536	0.0050	mg/kg wet	0.05000		107	74-126			
sec-Butylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	66-131			
Styrene	0.0529	0.0050	mg/kg wet	0.05000		106	77-121			
tert-Butylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	67-132			
Tetrachloroethylene	0.0506	0.0050	mg/kg wet	0.05000		101	68-130			
Toluene	0.0525	0.0050	mg/kg wet	0.05000		105	71-129			
trans-1,2-Dichloroethylene	0.0514	0.0050	mg/kg wet	0.05000		103	73-132			
trans-1,3-Dichloropropylene	0.0549	0.0050	mg/kg wet	0.05000		110	68-123			
Trichloroethylene	0.0510	0.0050	mg/kg wet	0.05000		102	75-133			
Trichlorofluoromethane	0.0410	0.0050	mg/kg wet	0.05000		82	44-146			
Vinyl acetate	0.0406	0.025	mg/kg wet	0.05000		81	85-161			L
Vinyl chloride	0.0408	0.0050	mg/kg wet	0.05000		82	48-147			
Xylenes, total	0.161	0.015	mg/kg wet	0.1500		107	74-126			
Surrogate: 4-Bromofluorobenzene	*50.4*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*84-123*			
Surrogate: Toluene-d8	*50.8*		*ug/L*	*50.00*		*102*	*76-129*			

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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
LCS Dup (P5K0076-BSD1)				Prepared & Analyzed: 11/06/15						
1,1,1,2-Tetrachloroethane	0.0520	0.0050	mg/kg wet	0.05000		104	72-115	0.4	20	
1,1,1-Trichloroethane	0.0529	0.0050	mg/kg wet	0.05000		106	67-131	0.5	20	
1,1,2,2-Tetrachloroethane	0.0510	0.0050	mg/kg wet	0.05000		102	56-126	0.5	20	
1,1,2-Trichloroethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-133	0.7	20	
1,1-Dichloroethane	0.0506	0.0050	mg/kg wet	0.05000		101	74-127	0.5	20	
1,1-Dichloroethylene	0.0470	0.0050	mg/kg wet	0.05000		94	67-149	2	20	
1,1-Dichloropropylene	0.0529	0.0050	mg/kg wet	0.05000		106	71-130	0.2	20	
1,2,3-Trichlorobenzene	0.0512	0.0050	mg/kg wet	0.05000		102	68-130	0.3	20	
1,2,3-Trichloropropane	0.0472	0.0050	mg/kg wet	0.05000		94	60-137	0.2	20	
1,2,4-Trichlorobenzene	0.0514	0.0050	mg/kg wet	0.05000		103	66-125	0.5	20	
1,2,4-Trimethylbenzene	0.0538	0.0050	mg/kg wet	0.05000		108	69-129	0.5	20	
1,2-Dibromoethane	0.0482	0.0050	mg/kg wet	0.05000		96	70-132	1	20	
1,2-Dichlorobenzene	0.0497	0.0050	mg/kg wet	0.05000		99	72-123	0.4	20	
1,2-Dichloroethane	0.0477	0.0050	mg/kg wet	0.05000		95	68-128	0.2	20	
1,2-Dichloropropane	0.0515	0.0050	mg/kg wet	0.05000		103	73-130	2	20	
1,3,5-Trimethylbenzene	0.0530	0.0050	mg/kg wet	0.05000		106	69-128	0.7	20	
1,3-Dichlorobenzene	0.0508	0.0050	mg/kg wet	0.05000		102	71-120	0	20	
1,3-Dichloropropane	0.0487	0.0050	mg/kg wet	0.05000		97	75-124	1	20	
1,4-Dichlorobenzene	0.0504	0.0050	mg/kg wet	0.05000		101	71-123	0.08	20	
2,2-Dichloropropane	0.0590	0.0050	mg/kg wet	0.05000		118	50-142	0.7	20	
2-Chlorotoluene	0.0516	0.0050	mg/kg wet	0.05000		103	67-124	1	20	
4-Chlorotoluene	0.0526	0.0050	mg/kg wet	0.05000		105	71-126	0.5	20	
4-Isopropyltoluene	0.0528	0.0050	mg/kg wet	0.05000		106	68-129	0.6	20	
Acetone	0.0804	0.050	mg/kg wet	0.1000		80	29-198	1	20	
Benzene	0.0514	0.0030	mg/kg wet	0.05000		103	74-127	0.7	20	
Bromobenzene	0.0520	0.0050	mg/kg wet	0.05000		104	73-125	1	20	
Bromochloromethane	0.0476	0.0050	mg/kg wet	0.05000		95	72-134	2	20	
Bromodichloromethane	0.0521	0.0050	mg/kg wet	0.05000		104	75-122	1	20	
Bromoform	0.0411	0.0050	mg/kg wet	0.05000		82	66-135	1	20	
Bromomethane	0.0327	0.010	mg/kg wet	0.05000		65	20-180	5	20	
Carbon Tetrachloride	0.0538	0.0050	mg/kg wet	0.05000		108	64-143	1	20	
Chlorobenzene	0.0493	0.0050	mg/kg wet	0.05000		99	74-118	1	20	
Chloroethane	0.0479	0.010	mg/kg wet	0.05000		96	33-149	1	20	
Chloroform	0.0507	0.0050	mg/kg wet	0.05000		101	73-127	0.6	20	
Chloromethane	0.0350	0.0050	mg/kg wet	0.05000		70	45-143	10	20	
cis-1,2-Dichloroethylene	0.0501	0.0050	mg/kg wet	0.05000		100	76-134	1	20	
cis-1,3-Dichloropropylene	0.0547	0.0050	mg/kg wet	0.05000		109	71-125	1	20	
Dibromochloromethane	0.0504	0.0050	mg/kg wet	0.05000		101	73-122	0.9	20	
Dichlorodifluoromethane	0.0281	0.0050	mg/kg wet	0.05000		56	26-146	2	20	
Ethylbenzene	0.0515	0.0050	mg/kg wet	0.05000		103	74-128	0.4	20	
Isopropyl Ether	0.0455	0.0050	mg/kg wet	0.05000		91	59-159	1	20	
Isopropylbenzene (Cumene)	0.0577	0.0050	mg/kg wet	0.05000		115	68-126	0.8	20	
m,p-Xylenes	0.107	0.010	mg/kg wet	0.1000		107	75-124	0.1	20	
Methyl Butyl Ketone (2-Hexanone)	0.0498	0.050	mg/kg wet	0.05000		100	61-157	0.9	20	J
Methyl Ethyl Ketone (2-Butanone)	0.0400	0.10	mg/kg wet	0.05000		80	63-149	4	20	J
Methyl Isobutyl Ketone	0.0476	0.050	mg/kg wet	0.05000		95	57-162	0.7	20	J

Cardno - Charlotte
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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
LCS Dup (P5K0076-BSD1)				Prepared & Analyzed: 11/06/15						
Methylene Chloride	0.0486	0.0050	mg/kg wet	0.05000		97	74-129	0.2	20	
Methyl-tert-Butyl Ether	0.0438	0.010	mg/kg wet	0.05000		88	70-130	2	20	
Naphthalene	0.0516	0.010	mg/kg wet	0.05000		103	57-157	0.3	20	
n-Butylbenzene	0.0548	0.0050	mg/kg wet	0.05000		110	65-135	1	20	
n-Propylbenzene	0.0544	0.0050	mg/kg wet	0.05000		109	67-130	0.7	20	
o-Xylene	0.0535	0.0050	mg/kg wet	0.05000		107	74-126	0.3	20	
sec-Butylbenzene	0.0577	0.0050	mg/kg wet	0.05000		115	66-131	0.02	20	
Styrene	0.0527	0.0050	mg/kg wet	0.05000		105	77-121	0.4	20	
tert-Butylbenzene	0.0539	0.0050	mg/kg wet	0.05000		108	67-132	0.02	20	
Tetrachloroethylene	0.0501	0.0050	mg/kg wet	0.05000		100	68-130	1	20	
Toluene	0.0518	0.0050	mg/kg wet	0.05000		104	71-129	1	20	
trans-1,2-Dichloroethylene	0.0506	0.0050	mg/kg wet	0.05000		101	73-132	2	20	
trans-1,3-Dichloropropylene	0.0542	0.0050	mg/kg wet	0.05000		108	68-123	1	20	
Trichloroethylene	0.0505	0.0050	mg/kg wet	0.05000		101	75-133	1	20	
Trichlorofluoromethane	0.0408	0.0050	mg/kg wet	0.05000		82	44-146	0.5	20	
Vinyl acetate	0.0414	0.025	mg/kg wet	0.05000		83	85-161	2	20	L
Vinyl chloride	0.0398	0.0050	mg/kg wet	0.05000		80	48-147	2	20	
Xylenes, total	0.161	0.015	mg/kg wet	0.1500		107	74-126	0.2	20	
Surrogate: 4-Bromofluorobenzene	*50.5*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*49.2*		*ug/L*	*50.00*		*98*	*84-123*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.00*		*101*	*76-129*			
Matrix Spike (P5K0076-MS1)		**Source: 5110128-03**		Prepared & Analyzed: 11/06/15						
1,1,1,2-Tetrachloroethane	0.0336	0.0062	mg/kg dry	0.04971	BRL	68	60-120			
1,1,1-Trichloroethane	0.0495	0.0062	mg/kg dry	0.04971	BRL	100	52-139			
1,1,2,2-Tetrachloroethane	0.0297	0.0062	mg/kg dry	0.04971	BRL	60	39-135			
1,1,2-Trichloroethane	0.0287	0.0062	mg/kg dry	0.04971	BRL	58	44-140			
1,1-Dichloroethane	0.0409	0.0062	mg/kg dry	0.04971	BRL	82	59-137			
1,1-Dichloroethylene	0.0485	0.0062	mg/kg dry	0.04971	BRL	98	54-162			
1,1-Dichloropropylene	0.0504	0.0062	mg/kg dry	0.04971	BRL	101	55-137			
1,2,3-Trichlorobenzene	0.0163	0.0062	mg/kg dry	0.04971	BRL	33	34-120			M
1,2,3-Trichloropropane	0.0280	0.0062	mg/kg dry	0.04971	BRL	56	45-139			
1,2,4-Trichlorobenzene	0.0162	0.0062	mg/kg dry	0.04971	BRL	33	35-116			M
1,2,4-Trimethylbenzene	0.0383	0.0062	mg/kg dry	0.04971	BRL	77	38-142			
1,2-Dibromoethane	0.0278	0.0062	mg/kg dry	0.04971	BRL	56	49-132			
1,2-Dichlorobenzene	0.0252	0.0062	mg/kg dry	0.04971	BRL	51	42-130			
1,2-Dichloroethane	0.0299	0.0062	mg/kg dry	0.04971	BRL	60	51-131			
1,2-Dichloropropane	0.0364	0.0062	mg/kg dry	0.04971	BRL	73	55-138			
1,3,5-Trimethylbenzene	0.0423	0.0062	mg/kg dry	0.04971	BRL	85	44-140			
1,3-Dichlorobenzene	0.0307	0.0062	mg/kg dry	0.04971	BRL	62	41-129			
1,3-Dichloropropane	0.0287	0.0062	mg/kg dry	0.04971	BRL	58	53-129			
1,4-Dichlorobenzene	0.0291	0.0062	mg/kg dry	0.04971	BRL	58	44-134			
2,2-Dichloropropane	0.0528	0.0062	mg/kg dry	0.04971	BRL	106	30-147			
2-Chlorotoluene	0.0405	0.0062	mg/kg dry	0.04971	BRL	81	46-132			
4-Chlorotoluene	0.0381	0.0062	mg/kg dry	0.04971	BRL	77	44-135			
4-Isopropyltoluene	0.0399	0.0062	mg/kg dry	0.04971	BRL	80	32-144			
Acetone	0.0500	0.062	mg/kg dry	0.09942	BRL	50	34-143			M, J

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Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0076 - 5035										
Matrix Spike (P5K0076-MS1)	**Source: 5110128-03**		Prepared & Analyzed: 11/06/15							
Benzene	0.0409	0.0037	mg/kg dry	0.04971	BRL	82	60-135			
Bromobenzene	0.0372	0.0062	mg/kg dry	0.04971	BRL	75	45-135			
Bromochloromethane	0.0318	0.0062	mg/kg dry	0.04971	BRL	64	55-136			
Bromodichloromethane	0.0354	0.0062	mg/kg dry	0.04971	BRL	71	55-127			
Bromoform	0.0250	0.0062	mg/kg dry	0.04971	BRL	50	40-136			
Bromomethane	0.0152	0.012	mg/kg dry	0.04971	BRL	31	30-137			
Carbon Tetrachloride	0.0545	0.0062	mg/kg dry	0.04971	BRL	110	48-153			
Chlorobenzene	0.0346	0.0062	mg/kg dry	0.04971	BRL	70	57-125			
Chloroethane	0.0392	0.012	mg/kg dry	0.04971	BRL	79	16-177			
Chloroform	0.0387	0.0062	mg/kg dry	0.04971	BRL	78	56-137			
Chloromethane	0.0187	0.0062	mg/kg dry	0.04971	BRL	38	40-145			M
cis-1,2-Dichloroethylene	0.0378	0.0062	mg/kg dry	0.04971	BRL	76	58-140			
cis-1,3-Dichloropropylene	0.0346	0.0062	mg/kg dry	0.04971	BRL	70	42-135			
Dibromochloromethane	0.0295	0.0062	mg/kg dry	0.04971	BRL	59	49-127			
Dichlorodifluoromethane	0.0255	0.0062	mg/kg dry	0.04971	BRL	51	25-151			
Ethylbenzene	0.0408	0.0062	mg/kg dry	0.04971	BRL	82	44-144			
Isopropyl Ether	0.0295	0.0062	mg/kg dry	0.04971	BRL	59	51-155			
Isopropylbenzene (Cumene)	0.0539	0.0062	mg/kg dry	0.04971	BRL	108	41-140			
m,p-Xylenes	0.0831	0.012	mg/kg dry	0.09942	BRL	84	36-148			
Methyl Butyl Ketone (2-Hexanone)	0.0220	0.062	mg/kg dry	0.04971	BRL	44	30-147			J
Methyl Ethyl Ketone (2-Butanone)	0.0217	0.12	mg/kg dry	0.04971	BRL	44	24-160			J
Methyl Isobutyl Ketone	0.0244	0.062	mg/kg dry	0.04971	BRL	49	25-163			J
Methylene Chloride	0.0350	0.0062	mg/kg dry	0.04971	BRL	70	53-144			
Methyl-tert-Butyl Ether	0.0255	0.012	mg/kg dry	0.04971	BRL	51	49-135			
Naphthalene	0.0166	0.012	mg/kg dry	0.04971	BRL	33	32-127			
n-Butylbenzene	0.0366	0.0062	mg/kg dry	0.04971	BRL	74	23-148			
n-Propylbenzene	0.0488	0.0062	mg/kg dry	0.04971	BRL	98	35-144			
o-Xylene	0.0381	0.0062	mg/kg dry	0.04971	BRL	77	43-143			
sec-Butylbenzene	0.0501	0.0062	mg/kg dry	0.04971	BRL	101	34-144			
Styrene	0.0334	0.0062	mg/kg dry	0.04971	BRL	67	42-132			
tert-Butylbenzene	0.0469	0.0062	mg/kg dry	0.04971	BRL	94	36-150			
Tetrachloroethylene	0.0461	0.0062	mg/kg dry	0.04971	BRL	93	47-142			
Toluene	0.0422	0.0062	mg/kg dry	0.04971	BRL	85	57-135			
trans-1,2-Dichloroethylene	0.0445	0.0062	mg/kg dry	0.04971	BRL	90	58-141			
trans-1,3-Dichloropropylene	0.0319	0.0062	mg/kg dry	0.04971	BRL	64	41-124			
Trichloroethylene	0.0440	0.0062	mg/kg dry	0.04971	BRL	89	38-164			
Trichlorofluoromethane	0.0413	0.0062	mg/kg dry	0.04971	BRL	83	30-157			
Vinyl acetate	BRL	0.031	mg/kg dry	0.04971	BRL		61-154			M
Vinyl chloride	0.0331	0.0062	mg/kg dry	0.04971	BRL	67	40-156			
Xylenes, total	0.121	0.019	mg/kg dry	0.1491	BRL	81	36-148			
Surrogate: 4-Bromofluorobenzene	*57.1*		*ug/L*	*50.00*		*114*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*84-123*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.00*		*101*	*76-129*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
Blank (P5K0151-BLK1)				Prepared: 11/09/15 Analyzed: 11/10/15						
1,2,4-Trichlorobenzene	BRL	0.33	mg/kg wet							
1,2-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,3-Dichlorobenzene	BRL	0.33	mg/kg wet							
1,4-Dichlorobenzene	BRL	0.33	mg/kg wet							
1-Methylnaphthalene	BRL	0.33	mg/kg wet							
2,4,6-Trichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dichlorophenol	BRL	0.33	mg/kg wet							
2,4-Dimethylphenol	BRL	0.33	mg/kg wet							
2,4-Dinitrophenol	BRL	0.33	mg/kg wet							
2,4-Dinitrotoluene	BRL	0.33	mg/kg wet							
2,6-Dinitrotoluene	BRL	0.33	mg/kg wet							
2-Chloronaphthalene	BRL	0.33	mg/kg wet							
2-Chlorophenol	BRL	0.33	mg/kg wet							
2-Methylnaphthalene	BRL	0.33	mg/kg wet							
2-Methylphenol	BRL	0.33	mg/kg wet							
2-Nitrophenol	BRL	0.33	mg/kg wet							
3,3'-Dichlorobenzidine	BRL	0.33	mg/kg wet							
3/4-Methylphenol	BRL	0.33	mg/kg wet							
4,6-Dinitro-2-methylphenol	BRL	0.33	mg/kg wet							
4-Bromophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Chloro-3-methylphenol	BRL	0.33	mg/kg wet							
4-Chloroaniline	BRL	0.33	mg/kg wet							
4-Chlorophenyl phenyl ether	BRL	0.33	mg/kg wet							
4-Nitrophenol	BRL	0.33	mg/kg wet							
Acenaphthene	BRL	0.33	mg/kg wet							
Acenaphthylene	BRL	0.33	mg/kg wet							
Anthracene	BRL	0.33	mg/kg wet							
Azobenzene	BRL	0.33	mg/kg wet							
Benzo(a)anthracene	BRL	0.33	mg/kg wet							
Benzo(a)pyrene	BRL	0.33	mg/kg wet							
Benzo(b)fluoranthene	BRL	0.33	mg/kg wet							
Benzo(g,h,i)perylene	BRL	0.33	mg/kg wet							
Benzo(k)fluoranthene	BRL	0.33	mg/kg wet							
Benzoic Acid	BRL	0.33	mg/kg wet							
Benzyl alcohol	BRL	0.33	mg/kg wet							
bis(2-Chloroethoxy)methane	BRL	0.33	mg/kg wet							
Bis(2-Chloroethyl)ether	BRL	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	BRL	0.33	mg/kg wet							
Bis(2-Ethylhexyl)phthalate	BRL	0.33	mg/kg wet							
Butyl benzyl phthalate	BRL	0.33	mg/kg wet							
Chrysene	BRL	0.33	mg/kg wet							
Dibenzo(a,h)anthracene	BRL	0.33	mg/kg wet							
Dibenzofuran	BRL	0.33	mg/kg wet							
Diethyl phthalate	BRL	0.33	mg/kg wet							
Dimethyl phthalate	BRL	0.33	mg/kg wet							
Di-n-butyl phthalate	BRL	0.33	mg/kg wet							

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
Blank (P5K0151-BLK1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Di-n-octyl phthalate	BRL	0.33	mg/kg wet							
Fluoranthene	BRL	0.33	mg/kg wet							
Fluorene	BRL	0.33	mg/kg wet							
Hexachlorobenzene	BRL	0.33	mg/kg wet							
Hexachlorobutadiene	BRL	0.33	mg/kg wet							
Hexachlorocyclopentadiene	BRL	0.33	mg/kg wet							
Hexachloroethane	BRL	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	BRL	0.33	mg/kg wet							
Isophorone	BRL	0.33	mg/kg wet							
Naphthalene	BRL	0.33	mg/kg wet							
Nitrobenzene	BRL	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	BRL	0.33	mg/kg wet							
N-Nitrosodiphenylamine	BRL	0.33	mg/kg wet							
Pentachlorophenol	BRL	0.33	mg/kg wet							
Phenanthrene	BRL	0.33	mg/kg wet							
Phenol	BRL	0.33	mg/kg wet							
Pyrene	BRL	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*2.47*		*mg/kg wet*	*3.333*		*74*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.22*		*mg/kg wet*	*1.667*		*73*	*44-115*			
Surrogate: 2-Fluorophenol	*2.27*		*mg/kg wet*	*3.333*		*68*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.06*		*mg/kg wet*	*1.667*		*64*	*37-122*			
Surrogate: Phenol-d5	*2.30*		*mg/kg wet*	*3.333*		*69*	*34-121*			
Surrogate: Terphenyl-d14	*1.24*		*mg/kg wet*	*1.667*		*74*	*54-127*			
LCS (P5K0151-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
1,2,4-Trichlorobenzene	0.997	0.33	mg/kg wet	1.666		60	34-118			
1,2-Dichlorobenzene	0.908	0.33	mg/kg wet	1.666		54	33-117			
1,3-Dichlorobenzene	0.864	0.33	mg/kg wet	1.666		52	30-115			
1,4-Dichlorobenzene	0.879	0.33	mg/kg wet	1.666		53	31-115			
1-Methylnaphthalene	1.12	0.33	mg/kg wet	1.666		67	40-119			
2,4,6-Trichlorophenol	1.21	0.33	mg/kg wet	1.666		73	39-126			
2,4-Dichlorophenol	1.13	0.33	mg/kg wet	1.666		68	40-122			
2,4-Dimethylphenol	1.10	0.33	mg/kg wet	1.666		66	30-127			
2,4-Dinitrophenol	0.920	0.33	mg/kg wet	1.666		55	27-129			
2,4-Dinitrotoluene	1.30	0.33	mg/kg wet	1.666		78	48-126			
2,6-Dinitrotoluene	1.21	0.33	mg/kg wet	1.666		73	46-124			
2-Chloronaphthalene	1.48	0.33	mg/kg wet	1.666		89	41-114			
2-Chlorophenol	1.03	0.33	mg/kg wet	1.666		62	34-121			
2-Methylnaphthalene	1.09	0.33	mg/kg wet	1.666		66	38-122			
2-Methylphenol	1.06	0.33	mg/kg wet	1.666		64	32-122			
2-Nitrophenol	1.07	0.33	mg/kg wet	1.666		64	36-123			
3,3'-Dichlorobenzidine	1.34	0.33	mg/kg wet	1.666		81	22-121			
3/4-Methylphenol	1.11	0.33	mg/kg wet	1.666		66	34-119			
4,6-Dinitro-2-methylphenol	1.20	0.33	mg/kg wet	1.666		72	29-132			
4-Bromophenyl phenyl ether	1.22	0.33	mg/kg wet	1.666		73	46-124			
4-Chloro-3-methylphenol	1.20	0.33	mg/kg wet	1.666		72	45-122			
4-Chloroaniline	1.08	0.33	mg/kg wet	1.666		65	17-106			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
LCS (P5K0151-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
4-Chlorophenyl phenyl ether	1.17	0.33	mg/kg wet	1.666		70	45-121			
4-Nitrophenol	1.32	0.33	mg/kg wet	1.666		79	30-132			
Acenaphthene	1.27	0.33	mg/kg wet	1.666		76	40-123			
Acenaphthylene	1.23	0.33	mg/kg wet	1.666		74	32-132			
Anthracene	1.41	0.33	mg/kg wet	1.666		84	47-123			
Azobenzene	1.39	0.33	mg/kg wet	1.666		83	39-125			
Benzo(a)anthracene	1.35	0.33	mg/kg wet	1.666		81	49-126			
Benzo(a)pyrene	1.46	0.33	mg/kg wet	1.666		88	45-129			
Benzo(b)fluoranthene	1.31	0.33	mg/kg wet	1.666		78	45-132			
Benzo(g,h,i)perylene	1.33	0.33	mg/kg wet	1.666		80	43-134			
Benzo(k)fluoranthene	1.45	0.33	mg/kg wet	1.666		87	47-132			
Benzoic Acid	0.792	0.33	mg/kg wet	1.666		48	10-83			
Benzyl alcohol	1.05	0.33	mg/kg wet	1.666		63	29-122			
bis(2-Chloroethoxy)methane	0.960	0.33	mg/kg wet	1.666		58	36-121			
Bis(2-Chloroethyl)ether	0.893	0.33	mg/kg wet	1.666		54	31-120			
Bis(2-chloroisopropyl)ether	0.996	0.33	mg/kg wet	1.666		60	33-131			
Bis(2-Ethylhexyl)phthalate	1.33	0.33	mg/kg wet	1.666		80	51-133			
Butyl benzyl phthalate	1.29	0.33	mg/kg wet	1.666		78	48-132			
Chrysene	1.39	0.33	mg/kg wet	1.666		84	50-124			
Dibenzo(a,h)anthracene	1.33	0.33	mg/kg wet	1.666		80	45-134			
Dibenzofuran	1.24	0.33	mg/kg wet	1.666		74	44-120			
Diethyl phthalate	1.26	0.33	mg/kg wet	1.666		76	50-124			
Dimethyl phthalate	1.24	0.33	mg/kg wet	1.666		74	48-124			
Di-n-butyl phthalate	1.38	0.33	mg/kg wet	1.666		83	51-128			
Di-n-octyl phthalate	1.38	0.33	mg/kg wet	1.666		83	45-140			
Fluoranthene	1.40	0.33	mg/kg wet	1.666		84	50-127			
Fluorene	1.32	0.33	mg/kg wet	1.666		79	43-125			
Hexachlorobenzene	1.23	0.33	mg/kg wet	1.666		74	45-122			
Hexachlorobutadiene	0.965	0.33	mg/kg wet	1.666		58	32-123			
Hexachlorocyclopentadiene	0.969	0.33	mg/kg wet	1.666		58	32-117			
Hexachloroethane	0.866	0.33	mg/kg wet	1.666		52	28-117			
Indeno(1,2,3-cd)pyrene	1.20	0.33	mg/kg wet	1.666		72	45-133			
Isophorone	1.14	0.33	mg/kg wet	1.666		68	30-122			
Naphthalene	1.09	0.33	mg/kg wet	1.666		66	35-123			
Nitrobenzene	1.06	0.33	mg/kg wet	1.666		64	34-122			
N-Nitroso-di-n-propylamine	1.03	0.33	mg/kg wet	1.666		62	36-120			
N-Nitrosodiphenylamine	1.32	0.33	mg/kg wet	1.666		79	38-127			
Pentachlorophenol	1.28	0.33	mg/kg wet	1.666		77	25-133			
Phenanthrene	1.35	0.33	mg/kg wet	1.666		81	50-121			
Phenol	1.06	0.33	mg/kg wet	1.666		64	34-121			
Pyrene	1.38	0.33	mg/kg wet	1.666		83	47-127			
Surrogate: 2,4,6-Tribromophenol	*2.57*		*mg/kg wet*	*3.332*		*77*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.19*		*mg/kg wet*	*1.666*		*72*	*44-115*			
Surrogate: 2-Fluorophenol	*2.13*		*mg/kg wet*	*3.332*		*64*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.02*		*mg/kg wet*	*1.666*		*61*	*37-122*			
Surrogate: Phenol-d5	*2.22*		*mg/kg wet*	*3.332*		*67*	*34-121*			

Cardno - Charlotte
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
Time Submitted: 11/5/2015 4:40:00PM

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
LCS (P5K0151-BS1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Surrogate: Terphenyl-d14	*1.28*		*mg/kg wet*	*1.666*		*77*	*54-127*			
LCS Dup (P5K0151-BSD1)				Prepared: 11/09/15 Analyzed: 11/10/15						
1,2,4-Trichlorobenzene	1.14	0.33	mg/kg wet	1.667		69	34-118	14	20	
1,2-Dichlorobenzene	1.06	0.33	mg/kg wet	1.667		64	33-117	16	20	
1,3-Dichlorobenzene	1.02	0.33	mg/kg wet	1.667		61	30-115	16	20	
1,4-Dichlorobenzene	1.04	0.33	mg/kg wet	1.667		63	31-115	17	20	
1-Methylnaphthalene	1.26	0.33	mg/kg wet	1.667		75	40-119	12	20	
2,4,6-Trichlorophenol	1.33	0.33	mg/kg wet	1.667		80	39-126	9	20	
2,4-Dichlorophenol	1.26	0.33	mg/kg wet	1.667		75	40-122	10	20	
2,4-Dimethylphenol	1.20	0.33	mg/kg wet	1.667		72	30-127	9	20	
2,4-Dinitrophenol	1.05	0.33	mg/kg wet	1.667		63	27-129	13	20	
2,4-Dinitrotoluene	1.36	0.33	mg/kg wet	1.667		82	48-126	4	20	
2,6-Dinitrotoluene	1.33	0.33	mg/kg wet	1.667		80	46-124	9	20	
2-Chloronaphthalene	1.63	0.33	mg/kg wet	1.667		98	41-114	10	20	
2-Chlorophenol	1.19	0.33	mg/kg wet	1.667		72	34-121	14	20	
2-Methylnaphthalene	1.20	0.33	mg/kg wet	1.667		72	38-122	9	20	
2-Methylphenol	1.19	0.33	mg/kg wet	1.667		72	32-122	11	20	
2-Nitrophenol	1.19	0.33	mg/kg wet	1.667		72	36-123	11	20	
3,3'-Dichlorobenzidine	1.37	0.33	mg/kg wet	1.667		82	22-121	2	20	
3/4-Methylphenol	1.24	0.33	mg/kg wet	1.667		74	34-119	11	20	
4,6-Dinitro-2-methylphenol	1.31	0.33	mg/kg wet	1.667		79	29-132	9	20	
4-Bromophenyl phenyl ether	1.32	0.33	mg/kg wet	1.667		79	46-124	8	20	
4-Chloro-3-methylphenol	1.32	0.33	mg/kg wet	1.667		79	45-122	9	20	
4-Chloroaniline	1.12	0.33	mg/kg wet	1.667		67	17-106	4	20	
4-Chlorophenyl phenyl ether	1.27	0.33	mg/kg wet	1.667		76	45-121	8	20	
4-Nitrophenol	1.37	0.33	mg/kg wet	1.667		82	30-132	4	20	
Acenaphthene	1.38	0.33	mg/kg wet	1.667		83	40-123	8	20	
Acenaphthylene	1.34	0.33	mg/kg wet	1.667		80	32-132	8	20	
Anthracene	1.50	0.33	mg/kg wet	1.667		90	47-123	6	20	
Azobenzene	1.47	0.33	mg/kg wet	1.667		88	39-125	6	20	
Benzo(a)anthracene	1.44	0.33	mg/kg wet	1.667		86	49-126	6	20	
Benzo(a)pyrene	1.51	0.33	mg/kg wet	1.667		90	45-129	3	20	
Benzo(b)fluoranthene	1.36	0.33	mg/kg wet	1.667		82	45-132	4	20	
Benzo(g,h,i)perylene	1.38	0.33	mg/kg wet	1.667		83	43-134	3	20	
Benzo(k)fluoranthene	1.49	0.33	mg/kg wet	1.667		90	47-132	3	20	
Benzoic Acid	0.823	0.33	mg/kg wet	1.667		49	10-83	4	20	
Benzyl alcohol	1.19	0.33	mg/kg wet	1.667		71	29-122	13	20	
bis(2-Chloroethoxy)methane	1.07	0.33	mg/kg wet	1.667		64	36-121	11	20	
Bis(2-Chloroethyl)ether	1.02	0.33	mg/kg wet	1.667		61	31-120	14	20	
Bis(2-chloroisopropyl)ether	1.15	0.33	mg/kg wet	1.667		69	33-131	14	20	
Bis(2-Ethylhexyl)phthalate	1.39	0.33	mg/kg wet	1.667		83	51-133	4	20	
Butyl benzyl phthalate	1.37	0.33	mg/kg wet	1.667		82	48-132	5	20	
Chrysene	1.39	0.33	mg/kg wet	1.667		83	50-124	0.4	20	
Dibenzo(a,h)anthracene	1.38	0.33	mg/kg wet	1.667		83	45-134	4	20	
Dibenzofuran	1.32	0.33	mg/kg wet	1.667		79	44-120	6	20	
Diethyl phthalate	1.34	0.33	mg/kg wet	1.667		81	50-124	7	20	

Cardno - Charlotte
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
LCS Dup (P5K0151-BSD1)				Prepared: 11/09/15 Analyzed: 11/10/15						
Dimethyl phthalate	1.33	0.33	mg/kg wet	1.667		80	48-124	8	20	
Di-n-butyl phthalate	1.46	0.33	mg/kg wet	1.667		88	51-128	6	20	
Di-n-octyl phthalate	1.43	0.33	mg/kg wet	1.667		86	45-140	3	20	
Fluoranthene	1.48	0.33	mg/kg wet	1.667		89	50-127	6	20	
Fluorene	1.41	0.33	mg/kg wet	1.667		84	43-125	6	20	
Hexachlorobenzene	1.34	0.33	mg/kg wet	1.667		81	45-122	9	20	
Hexachlorobutadiene	1.12	0.33	mg/kg wet	1.667		67	32-123	15	20	
Hexachlorocyclopentadiene	1.14	0.33	mg/kg wet	1.667		68	32-117	16	20	
Hexachloroethane	1.02	0.33	mg/kg wet	1.667		61	28-117	17	20	
Indeno(1,2,3-cd)pyrene	1.31	0.33	mg/kg wet	1.667		78	45-133	9	20	
Isophorone	1.27	0.33	mg/kg wet	1.667		76	30-122	11	20	
Naphthalene	1.24	0.33	mg/kg wet	1.667		74	35-123	12	20	
Nitrobenzene	1.19	0.33	mg/kg wet	1.667		71	34-122	12	20	
N-Nitroso-di-n-propylamine	1.18	0.33	mg/kg wet	1.667		71	36-120	14	20	
N-Nitrosodiphenylamine	1.41	0.33	mg/kg wet	1.667		85	38-127	7	20	
Pentachlorophenol	1.39	0.33	mg/kg wet	1.667		84	25-133	8	20	
Phenanthrene	1.45	0.33	mg/kg wet	1.667		87	50-121	7	20	
Phenol	1.19	0.33	mg/kg wet	1.667		71	34-121	11	20	
Pyrene	1.46	0.33	mg/kg wet	1.667		87	47-127	5	20	
Surrogate: 2,4,6-Tribromophenol	*2.73*		*mg/kg wet*	*3.333*		*82*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.32*		*mg/kg wet*	*1.667*		*79*	*44-115*			
Surrogate: 2-Fluorophenol	*2.44*		*mg/kg wet*	*3.333*		*73*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.16*		*mg/kg wet*	*1.667*		*70*	*37-122*			
Surrogate: Phenol-d5	*2.45*		*mg/kg wet*	*3.333*		*74*	*34-121*			
Surrogate: Terphenyl-d14	*1.34*		*mg/kg wet*	*1.667*		*80*	*54-127*			
Matrix Spike (P5K0151-MS1)	**Source: 5110128-03**			Prepared: 11/09/15 Analyzed: 11/10/15						
1,2,4-Trichlorobenzene	1.42	0.42	mg/kg dry	2.142	BRL	66	34-118			
1,2-Dichlorobenzene	1.30	0.42	mg/kg dry	2.142	BRL	60	33-117			
1,3-Dichlorobenzene	1.22	0.42	mg/kg dry	2.142	BRL	57	30-115			
1,4-Dichlorobenzene	1.24	0.42	mg/kg dry	2.142	BRL	58	31-115			
1-Methylnaphthalene	1.64	0.42	mg/kg dry	2.142	0.125	71	40-119			
2,4,6-Trichlorophenol	1.26	0.42	mg/kg dry	2.142	BRL	59	39-126			
2,4-Dichlorophenol	1.25	0.42	mg/kg dry	2.142	BRL	58	40-122			
2,4-Dimethylphenol	0.419	0.42	mg/kg dry	2.142	BRL	20	30-127			M, J
2,4-Dinitrophenol	0.290	0.42	mg/kg dry	2.142	BRL	14	27-129			M, J
2,4-Dinitrotoluene	1.58	0.42	mg/kg dry	2.142	BRL	74	48-126			
2,6-Dinitrotoluene	1.57	0.42	mg/kg dry	2.142	BRL	73	46-124			
2-Chloronaphthalene	1.95	0.42	mg/kg dry	2.142	BRL	91	41-114			
2-Chlorophenol	1.09	0.42	mg/kg dry	2.142	BRL	51	34-121			
2-Methylnaphthalene	1.65	0.42	mg/kg dry	2.142	0.151	70	38-122			
2-Methylphenol	0.754	0.42	mg/kg dry	2.142	BRL	35	32-122			
2-Nitrophenol	1.35	0.42	mg/kg dry	2.142	BRL	63	36-123			
3,3'-Dichlorobenzidine	0.250	0.42	mg/kg dry	2.142	BRL	12	22-121			M, J
3/4-Methylphenol	0.696	0.42	mg/kg dry	2.142	BRL	33	34-119			M
4,6-Dinitro-2-methylphenol	0.384	0.42	mg/kg dry	2.142	BRL	18	29-132			M, J
4-Bromophenyl phenyl ether	1.73	0.42	mg/kg dry	2.142	BRL	81	46-124			

Cardno - Charlotte
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Prism Work Order: 5110128
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
Matrix Spike (P5K0151-MS1)	**Source: 5110128-03**		Prepared: 11/09/15 Analyzed: 11/10/15							
4-Chloro-3-methylphenol	1.32	0.42	mg/kg dry	2.142	BRL	62	45-122			
4-Chloroaniline	0.995	0.42	mg/kg dry	2.142	BRL	46	17-106			
4-Chlorophenyl phenyl ether	1.62	0.42	mg/kg dry	2.142	BRL	75	45-121			
4-Nitrophenol	1.86	0.42	mg/kg dry	2.142	BRL	87	30-132			
Acenaphthene	1.86	0.42	mg/kg dry	2.142	0.222	77	40-123			
Acenaphthylene	2.11	0.42	mg/kg dry	2.142	0.875	58	32-132			
Anthracene	2.63	0.42	mg/kg dry	2.142	1.44	56	47-123			
Azobenzene	1.94	0.42	mg/kg dry	2.142	BRL	90	39-125			
Benzo(a)anthracene	3.76	0.42	mg/kg dry	2.142	2.27	70	49-126			
Benzo(a)pyrene	2.99	0.42	mg/kg dry	2.142	1.68	61	45-129			
Benzo(b)fluoranthene	3.88	0.42	mg/kg dry	2.142	2.19	79	45-132			
Benzo(g,h,i)perylene	2.57	0.42	mg/kg dry	2.142	0.853	80	43-134			
Benzo(k)fluoranthene	2.22	0.42	mg/kg dry	2.142	0.919	61	47-132			
Benzoic Acid	1.74	0.42	mg/kg dry	2.142	BRL	81	10-83			
Benzyl alcohol	1.45	0.42	mg/kg dry	2.142	BRL	67	29-122			
bis(2-Chloroethoxy)methane	1.30	0.42	mg/kg dry	2.142	BRL	61	36-121			
Bis(2-Chloroethyl)ether	1.29	0.42	mg/kg dry	2.142	BRL	60	31-120			
Bis(2-chloroisopropyl)ether	1.45	0.42	mg/kg dry	2.142	BRL	68	33-131			
Bis(2-Ethylhexyl)phthalate	1.88	0.42	mg/kg dry	2.142	BRL	88	51-133			
Butyl benzyl phthalate	1.91	0.42	mg/kg dry	2.142	BRL	89	48-132			
Chrysene	3.38	0.42	mg/kg dry	2.142	1.84	72	50-124			
Dibenzo(a,h)anthracene	2.10	0.42	mg/kg dry	2.142	0.238	87	45-134			
Dibenzofuran	1.96	0.42	mg/kg dry	2.142	0.419	72	44-120			
Diethyl phthalate	1.75	0.42	mg/kg dry	2.142	BRL	81	50-124			
Dimethyl phthalate	1.73	0.42	mg/kg dry	2.142	BRL	81	48-124			
Di-n-butyl phthalate	2.00	0.42	mg/kg dry	2.142	BRL	93	51-128			
Di-n-octyl phthalate	1.95	0.42	mg/kg dry	2.142	BRL	91	45-140			
Fluoranthene	5.15	0.42	mg/kg dry	2.142	4.58	26	50-127			M
Fluorene	2.04	0.42	mg/kg dry	2.142	0.356	79	43-125			
Hexachlorobenzene	1.80	0.42	mg/kg dry	2.142	BRL	84	45-122			
Hexachlorobutadiene	1.42	0.42	mg/kg dry	2.142	BRL	66	32-123			
Hexachlorocyclopentadiene	0.230	0.42	mg/kg dry	2.142	BRL	11	32-117			M, J
Hexachloroethane	0.912	0.42	mg/kg dry	2.142	BRL	43	28-117			
Indeno(1,2,3-cd)pyrene	2.85	0.42	mg/kg dry	2.142	0.924	90	45-133			
Isophorone	1.59	0.42	mg/kg dry	2.142	BRL	74	30-122			
Naphthalene	1.68	0.42	mg/kg dry	2.142	0.182	70	35-123			
Nitrobenzene	1.48	0.42	mg/kg dry	2.142	BRL	69	34-122			
N-Nitroso-di-n-propylamine	1.43	0.42	mg/kg dry	2.142	BRL	67	36-120			
N-Nitrosodiphenylamine	1.08	0.42	mg/kg dry	2.142	BRL	50	38-127			
Pentachlorophenol	1.69	0.42	mg/kg dry	2.142	BRL	79	25-133			
Phenanthrene	4.59	0.42	mg/kg dry	2.142	4.48	5	50-121			M
Phenol	1.03	0.42	mg/kg dry	2.142	BRL	48	34-121			
Pyrene	4.84	0.42	mg/kg dry	2.142	3.97	40	47-127			M
Surrogate: 2,4,6-Tribromophenol	*2.47*		*mg/kg dry*	*4.283*		*58*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.60*		*mg/kg dry*	*2.142*		*74*	*44-115*			
Surrogate: 2-Fluorophenol	*1.92*		*mg/kg dry*	*4.283*		*45*	*35-115*			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
Matrix Spike (P5K0151-MS1)	**Source: 5110128-03**			Prepared: 11/09/15	Analyzed: 11/10/15					
Surrogate: Nitrobenzene-d5	*1.41*		*mg/kg dry*	*2.142*		*66*	*37-122*			
Surrogate: Phenol-d5	*2.21*		*mg/kg dry*	*4.283*		*52*	*34-121*			
Surrogate: Terphenyl-d14	*1.82*		*mg/kg dry*	*2.142*		*85*	*54-127*			
Matrix Spike Dup (P5K0151-MSD1)	**Source: 5110128-03**			Prepared: 11/09/15	Analyzed: 11/10/15					
1,2,4-Trichlorobenzene	1.40	0.42	mg/kg dry	2.142	BRL	65	34-118	1	20	
1,2-Dichlorobenzene	1.27	0.42	mg/kg dry	2.142	BRL	59	33-117	2	20	
1,3-Dichlorobenzene	1.20	0.42	mg/kg dry	2.142	BRL	56	30-115	1	20	
1,4-Dichlorobenzene	1.24	0.42	mg/kg dry	2.142	BRL	58	31-115	0.2	20	
1-Methylnaphthalene	1.61	0.42	mg/kg dry	2.142	0.125	69	40-119	2	20	
2,4,6-Trichlorophenol	1.31	0.42	mg/kg dry	2.142	BRL	61	39-126	4	20	
2,4-Dichlorophenol	1.30	0.42	mg/kg dry	2.142	BRL	61	40-122	4	20	
2,4-Dimethylphenol	0.429	0.42	mg/kg dry	2.142	BRL	20	30-127	2	20	M
2,4-Dinitrophenol	0.308	0.42	mg/kg dry	2.142	BRL	14	27-129	6	20	M, J
2,4-Dinitrotoluene	1.61	0.42	mg/kg dry	2.142	BRL	75	48-126	1	20	
2,6-Dinitrotoluene	1.59	0.42	mg/kg dry	2.142	BRL	74	46-124	1	20	
2-Chloronaphthalene	1.93	0.42	mg/kg dry	2.142	BRL	90	41-114	0.9	20	
2-Chlorophenol	1.13	0.42	mg/kg dry	2.142	BRL	53	34-121	3	20	
2-Methylnaphthalene	1.58	0.42	mg/kg dry	2.142	0.151	67	38-122	4	20	
2-Methylphenol	0.783	0.42	mg/kg dry	2.142	BRL	37	32-122	4	20	
2-Nitrophenol	1.35	0.42	mg/kg dry	2.142	BRL	63	36-123	0.03	20	
3,3'-Dichlorobenzidine	0.272	0.42	mg/kg dry	2.142	BRL	13	22-121	8	20	M, J
3/4-Methylphenol	0.727	0.42	mg/kg dry	2.142	BRL	34	34-119	4	20	
4,6-Dinitro-2-methylphenol	0.414	0.42	mg/kg dry	2.142	BRL	19	29-132	8	20	M, J
4-Bromophenyl phenyl ether	1.68	0.42	mg/kg dry	2.142	BRL	79	46-124	3	20	
4-Chloro-3-methylphenol	1.34	0.42	mg/kg dry	2.142	BRL	62	45-122	1	20	
4-Chloroaniline	0.978	0.42	mg/kg dry	2.142	BRL	46	17-106	2	20	
4-Chlorophenyl phenyl ether	1.63	0.42	mg/kg dry	2.142	BRL	76	45-121	1	20	
4-Nitrophenol	1.85	0.42	mg/kg dry	2.142	BRL	86	30-132	0.3	20	
Acenaphthene	1.83	0.42	mg/kg dry	2.142	0.222	75	40-123	2	20	
Acenaphthylene	2.04	0.42	mg/kg dry	2.142	0.875	55	32-132	3	20	
Anthracene	2.56	0.42	mg/kg dry	2.142	1.44	53	47-123	3	20	
Azobenzene	1.97	0.42	mg/kg dry	2.142	BRL	92	39-125	2	20	
Benzo(a)anthracene	3.38	0.42	mg/kg dry	2.142	2.27	52	49-126	11	20	
Benzo(a)pyrene	2.75	0.42	mg/kg dry	2.142	1.68	50	45-129	8	20	
Benzo(b)fluoranthene	3.14	0.42	mg/kg dry	2.142	2.19	44	45-132	21	20	M
Benzo(g,h,i)perylene	2.42	0.42	mg/kg dry	2.142	0.853	73	43-134	6	20	
Benzo(k)fluoranthene	2.49	0.42	mg/kg dry	2.142	0.919	73	47-132	11	20	
Benzoic Acid	1.83	0.42	mg/kg dry	2.142	BRL	86	10-83	5	20	M
Benzyl alcohol	1.41	0.42	mg/kg dry	2.142	BRL	66	29-122	2	20	
bis(2-Chloroethoxy)methane	1.30	0.42	mg/kg dry	2.142	BRL	61	36-121	0.03	20	
Bis(2-Chloroethyl)ether	1.31	0.42	mg/kg dry	2.142	BRL	61	31-120	1	20	
Bis(2-chloroisopropyl)ether	1.44	0.42	mg/kg dry	2.142	BRL	67	33-131	0.6	20	
Bis(2-Ethylhexyl)phthalate	1.87	0.42	mg/kg dry	2.142	BRL	87	51-133	0.8	20	
Butyl benzyl phthalate	1.87	0.42	mg/kg dry	2.142	BRL	87	48-132	2	20	
Chrysene	3.12	0.42	mg/kg dry	2.142	1.84	60	50-124	8	20	
Dibenzo(a,h)anthracene	2.02	0.42	mg/kg dry	2.142	0.238	83	45-134	4	20	

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Project: Kesler Mill (Brownfield)

Prism Work Order: 5110128
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0151 - 3546										
Matrix Spike Dup (P5K0151-MSD1)	**Source: 5110128-03**			Prepared: 11/09/15 Analyzed: 11/10/15						
Dibenzofuran	1.98	0.42	mg/kg dry	2.142	0.419	73	44-120	1	20	
Diethyl phthalate	1.78	0.42	mg/kg dry	2.142	BRL	83	50-124	2	20	
Dimethyl phthalate	1.69	0.42	mg/kg dry	2.142	BRL	79	48-124	2	20	
Di-n-butyl phthalate	1.95	0.42	mg/kg dry	2.142	BRL	91	51-128	3	20	
Di-n-octyl phthalate	1.90	0.42	mg/kg dry	2.142	BRL	89	45-140	3	20	
Fluoranthene	4.80	0.42	mg/kg dry	2.142	4.58	10	50-127	7	20	M
Fluorene	1.98	0.42	mg/kg dry	2.142	0.356	76	43-125	3	20	
Hexachlorobenzene	1.79	0.42	mg/kg dry	2.142	BRL	84	45-122	0.2	20	
Hexachlorobutadiene	1.42	0.42	mg/kg dry	2.142	BRL	66	32-123	0	20	
Hexachlorocyclopentadiene	0.220	0.42	mg/kg dry	2.142	BRL	10	32-117	5	20	M, J
Hexachloroethane	0.876	0.42	mg/kg dry	2.142	BRL	41	28-117	4	20	
Indeno(1,2,3-cd)pyrene	2.69	0.42	mg/kg dry	2.142	0.924	82	45-133	6	20	
Isophorone	1.54	0.42	mg/kg dry	2.142	BRL	72	30-122	3	20	
Naphthalene	1.66	0.42	mg/kg dry	2.142	0.182	69	35-123	1	20	
Nitrobenzene	1.45	0.42	mg/kg dry	2.142	BRL	68	34-122	2	20	
N-Nitroso-di-n-propylamine	1.37	0.42	mg/kg dry	2.142	BRL	64	36-120	4	20	
N-Nitrosodiphenylamine	1.13	0.42	mg/kg dry	2.142	BRL	53	38-127	4	20	
Pentachlorophenol	1.72	0.42	mg/kg dry	2.142	BRL	81	25-133	2	20	
Phenanthrene	4.67	0.42	mg/kg dry	2.142	4.48	9	50-121	2	20	M
Phenol	1.04	0.42	mg/kg dry	2.142	BRL	49	34-121	1	20	
Pyrene	4.35	0.42	mg/kg dry	2.142	3.97	18	47-127	11	20	M
Surrogate: 2,4,6-Tribromophenol	*2.57*		*mg/kg dry*	*4.283*		*60*	*39-132*			
Surrogate: 2-Fluorobiphenyl	*1.58*		*mg/kg dry*	*2.142*		*74*	*44-115*			
Surrogate: 2-Fluorophenol	*1.97*		*mg/kg dry*	*4.283*		*46*	*35-115*			
Surrogate: Nitrobenzene-d5	*1.37*		*mg/kg dry*	*2.142*		*64*	*37-122*			
Surrogate: Phenol-d5	*2.23*		*mg/kg dry*	*4.283*		*52*	*34-121*			
Surrogate: Terphenyl-d14	*1.81*		*mg/kg dry*	*2.142*		*84*	*54-127*			

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Polychlorinated Biphenyls (PCBs) by GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0247 - 3546										
Blank (P5K0247-BLK1)				Prepared & Analyzed: 11/12/15						
Aroclor 1016	BRL	0.050	mg/kg wet							
Aroclor 1221	BRL	0.10	mg/kg wet							
Aroclor 1232	BRL	0.10	mg/kg wet							
Aroclor 1242	BRL	0.050	mg/kg wet							
Aroclor 1248	BRL	0.050	mg/kg wet							
Aroclor 1254	BRL	0.050	mg/kg wet							
Aroclor 1260	BRL	0.050	mg/kg wet							
Surrogate: Tetrachloro-m-xylene	*0.0173*		*mg/kg wet*	*0.03331*		*52*	*36-182*			
Surrogate: Decachlorobiphenyl	*0.0240*		*mg/kg wet*	*0.03331*		*72*	*34-182*			
LCS (P5K0247-BS1)				Prepared & Analyzed: 11/12/15						
Aroclor 1016	0.231	0.050	mg/kg wet	0.3332		69	64-151			
Aroclor 1260	0.249	0.050	mg/kg wet	0.3332		75	45-166			
Surrogate: Tetrachloro-m-xylene	*0.0197*		*mg/kg wet*	*0.03332*		*59*	*36-182*			
Surrogate: Decachlorobiphenyl	*0.0260*		*mg/kg wet*	*0.03332*		*78*	*34-182*			
LCS Dup (P5K0247-BSD1)				Prepared & Analyzed: 11/12/15						
Aroclor 1016	0.252	0.050	mg/kg wet	0.3330		76	64-151	9	50	
Aroclor 1260	0.278	0.050	mg/kg wet	0.3330		84	45-166	11	50	
Surrogate: Tetrachloro-m-xylene	*0.0210*		*mg/kg wet*	*0.03330*		*63*	*36-182*			
Surrogate: Decachlorobiphenyl	*0.0293*		*mg/kg wet*	*0.03330*		*88*	*34-182*			

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Gasoline Range Organics by GC/FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0162 - 5035										
Blank (P5K0162-BLK1)				Prepared & Analyzed: 11/09/15						
Gasoline Range Organics	BRL	5.0	mg/kg wet							
Surrogate: a,a,a-Trifluorotoluene	*4.35*		*mg/kg wet*	*5.000*		*87*	*50-137*			
LCS (P5K0162-BS1)				Prepared & Analyzed: 11/09/15						
Gasoline Range Organics	44.4	5.0	mg/kg wet	50.00		89	41-138			
Surrogate: a,a,a-Trifluorotoluene	*5.10*		*mg/kg wet*	*5.000*		*102*	*50-137*			
LCS Dup (P5K0162-BSD1)				Prepared & Analyzed: 11/09/15						
Gasoline Range Organics	49.0	5.0	mg/kg wet	50.00		98	41-138	10	20	
Surrogate: a,a,a-Trifluorotoluene	*5.35*		*mg/kg wet*	*5.000*		*107*	*50-137*			

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0149 - 3050B										
Blank (P5K0149-BLK1)				Prepared & Analyzed: 11/09/15						
Aluminum	BRL	2.5	mg/kg wet							
Antimony	BRL	0.25	mg/kg wet							
Arsenic	BRL	0.25	mg/kg wet							
Barium	BRL	0.50	mg/kg wet							
Beryllium	BRL	0.25	mg/kg wet							
Cadmium	BRL	0.25	mg/kg wet							
Calcium	BRL	10	mg/kg wet							
Chromium	BRL	0.25	mg/kg wet							
Cobalt	BRL	0.25	mg/kg wet							
Copper	BRL	0.50	mg/kg wet							
Iron	BRL	5.0	mg/kg wet							
Lead	BRL	0.25	mg/kg wet							
Magnesium	BRL	2.5	mg/kg wet							
Manganese	BRL	0.25	mg/kg wet							
Nickel	BRL	0.50	mg/kg wet							
Potassium	BRL	12	mg/kg wet							
Selenium	BRL	0.50	mg/kg wet							
Silver	BRL	0.25	mg/kg wet							
Sodium	BRL	15	mg/kg wet							
Thallium	BRL	0.50	mg/kg wet							
Vanadium	BRL	0.25	mg/kg wet							
Zinc	BRL	2.5	mg/kg wet							
LCS (P5K0149-BS1)				Prepared & Analyzed: 11/09/15						
Aluminum	532	2.5	mg/kg wet	500.0		106	80-120			
Antimony	25.3	0.25	mg/kg wet	25.00		101	80-120			
Arsenic	26.4	0.25	mg/kg wet	25.00		106	80-120			
Barium	26.3	0.50	mg/kg wet	25.00		105	80-120			
Beryllium	27.0	0.25	mg/kg wet	25.00		108	80-120			
Cadmium	26.2	0.25	mg/kg wet	25.00		105	80-120			
Calcium	529	10	mg/kg wet	500.0		106	80-120			
Chromium	26.6	0.25	mg/kg wet	25.00		107	80-120			
Cobalt	26.3	0.25	mg/kg wet	25.00		105	80-120			
Copper	27.7	0.50	mg/kg wet	25.00		111	80-120			
Iron	531	5.0	mg/kg wet	500.0		106	80-120			
Lead	26.0	0.25	mg/kg wet	25.00		104	80-120			
Magnesium	528	2.5	mg/kg wet	500.0		106	80-120			
Manganese	26.5	0.25	mg/kg wet	25.00		106	80-120			
Nickel	26.2	0.50	mg/kg wet	25.00		105	80-120			
Potassium	537	12	mg/kg wet	500.0		107	80-120			
Selenium	26.3	0.50	mg/kg wet	25.00		105	80-120			
Silver	10.2	0.25	mg/kg wet	10.00		102	80-120			
Sodium	563	15	mg/kg wet	500.0		113	80-120			
Thallium	26.0	0.50	mg/kg wet	25.00		104	80-120			
Vanadium	26.9	0.25	mg/kg wet	25.00		108	80-120			
Zinc	26.2	2.5	mg/kg wet	25.00		105	80-120			

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0149 - 3050B										
Matrix Spike (P5K0149-MS1)		**Source: 5110128-03**		Prepared: 11/09/15 Analyzed: 11/12/15						
Aluminum	3.21E10	3.2	mg/kg dry	642.5	20000	NR	75-125			MC
Antimony	6.26	0.32	mg/kg dry	32.13	0.0899	19	75-125			MI
Arsenic	26.2	0.32	mg/kg dry	32.13	6.18	62	75-125			MI
Barium	89.2	0.64	mg/kg dry	32.13	18.1	222	75-125			MI
Beryllium	28.6	0.32	mg/kg dry	32.13	0.305	88	75-125			
Cadmium	25.0	0.32	mg/kg dry	32.13	0.149	77	75-125			
Calcium	948	13	mg/kg dry	642.5	286	103	75-125			
Chromium	52.0	0.32	mg/kg dry	32.13	22.0	93	75-125			
Cobalt	61.4	0.32	mg/kg dry	32.13	0.971	188	75-125			MI
Copper	87.2	0.64	mg/kg dry	32.13	1.05	268	75-125			MI
Iron	3.21E10	6.4	mg/kg dry	642.5	16600	NR	75-125			MC
Lead	39.1	0.32	mg/kg dry	32.13	9.29	93	75-125			
Magnesium	1630	3.2	mg/kg dry	642.5	680	148	75-125			MI
Manganese	2180	0.32	mg/kg dry	32.13	9.15	NR	75-125			MI
Nickel	38.6	0.64	mg/kg dry	32.13	3.28	110	75-125			
Potassium	1600	16	mg/kg dry	642.5	441	180	75-125			MI
Selenium	19.4	0.64	mg/kg dry	32.13	0.179	60	75-125			MI
Silver	10.2	0.32	mg/kg dry	12.85	BRL	79	75-125			
Sodium	624	19	mg/kg dry	642.5	53.4	89	75-125			
Thallium	24.0	0.64	mg/kg dry	32.13	BRL	75	75-125			
Vanadium	138	0.32	mg/kg dry	32.13	34.6	322	75-125			MI
Zinc	92.1	3.2	mg/kg dry	32.13	7.72	263	75-125			MI
Matrix Spike Dup (P5K0149-MSD1)		**Source: 5110128-03**		Prepared: 11/09/15 Analyzed: 11/12/15						
Aluminum	3.21E10	3.2	mg/kg dry	642.5	20000	NR	75-125	0	20	MC
Antimony	8.97	0.32	mg/kg dry	32.13	0.0899	28	75-125	36	20	D, MI
Arsenic	28.9	0.32	mg/kg dry	32.13	6.18	71	75-125	10	20	MI
Barium	98.6	0.64	mg/kg dry	32.13	18.1	251	75-125	10	20	MI
Beryllium	30.4	0.32	mg/kg dry	32.13	0.305	94	75-125	6	20	
Cadmium	26.7	0.32	mg/kg dry	32.13	0.149	83	75-125	6	20	
Calcium	1070	13	mg/kg dry	642.5	286	122	75-125	12	20	
Chromium	52.4	0.32	mg/kg dry	32.13	22.0	94	75-125	0.7	20	
Cobalt	64.0	0.32	mg/kg dry	32.13	0.971	196	75-125	4	20	MI
Copper	88.6	0.64	mg/kg dry	32.13	1.05	273	75-125	2	20	MI
Iron	3.21E10	6.4	mg/kg dry	642.5	16600	NR	75-125	0	20	MC
Lead	42.6	0.32	mg/kg dry	32.13	9.29	104	75-125	8	20	
Magnesium	1760	3.2	mg/kg dry	642.5	680	168	75-125	7	20	MI
Manganese	2520	0.32	mg/kg dry	32.13	9.15	NR	75-125	14	20	MI
Nickel	41.1	0.64	mg/kg dry	32.13	3.28	118	75-125	6	20	
Potassium	1650	16	mg/kg dry	642.5	441	188	75-125	3	20	MI
Selenium	21.5	0.64	mg/kg dry	32.13	0.179	66	75-125	10	20	MI
Silver	10.7	0.32	mg/kg dry	12.85	BRL	83	75-125	5	20	
Sodium	661	19	mg/kg dry	642.5	53.4	95	75-125	6	20	
Thallium	25.6	0.64	mg/kg dry	32.13	BRL	80	75-125	7	20	
Vanadium	143	0.32	mg/kg dry	32.13	34.6	338	75-125	4	20	MI
Zinc	98.2	3.2	mg/kg dry	32.13	7.72	282	75-125	6	20	MI

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0149 - 3050B										
Post Spike (P5K0149-PS1)	**Source: 5110128-03**			Prepared: 11/09/15 Analyzed: 11/10/15						
Aluminum	19800	3.2	mg/kg dry	642.5	20000	NR	80-120			MC
Antimony	30.0	0.32	mg/kg dry	32.13	0.0899	93	80-120			
Arsenic	37.6	0.32	mg/kg dry	32.13	6.18	98	80-120			
Barium	47.5	0.64	mg/kg dry	32.13	18.1	92	80-120			
Beryllium	32.3	0.32	mg/kg dry	32.13	0.305	100	80-120			
Cadmium	30.8	0.32	mg/kg dry	32.13	0.149	95	80-120			
Calcium	860	13	mg/kg dry	642.5	286	89	80-120			
Chromium	51.9	0.32	mg/kg dry	32.13	22.0	93	80-120			
Cobalt	31.4	0.32	mg/kg dry	32.13	0.971	95	80-120			
Copper	35.7	0.64	mg/kg dry	32.13	1.05	108	80-120			
Iron	9800	6.4	mg/kg dry	642.5	16600	NR	80-120			MC
Lead	38.9	0.32	mg/kg dry	32.13	9.29	92	80-120			
Magnesium	1260	3.2	mg/kg dry	642.5	680	90	80-120			
Manganese	39.3	0.32	mg/kg dry	32.13	9.15	94	80-120			
Nickel	33.8	0.64	mg/kg dry	32.13	3.28	95	80-120			
Potassium	1120	16	mg/kg dry	642.5	441	106	80-120			
Selenium	31.6	0.64	mg/kg dry	32.13	0.179	98	80-120			
Silver	12.4	0.32	mg/kg dry	12.85	BRL	96	80-120			
Sodium	748	19	mg/kg dry	642.5	53.4	108	80-120			
Thallium	30.0	0.64	mg/kg dry	32.13	BRL	93	80-120			
Vanadium	64.1	0.32	mg/kg dry	32.13	34.6	92	80-120			
Zinc	39.4	3.2	mg/kg dry	32.13	7.72	99	80-120			
Batch P5K0150 - 7471B										
Blank (P5K0150-BLK1)				Prepared & Analyzed: 11/09/15						
Mercury	BRL	0.020	mg/kg wet							

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Total Metals - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0150 - 7471B										
LCS (P5K0150-BS1)				Prepared & Analyzed: 11/09/15						
Mercury	0.424	0.020	mg/kg wet	0.4167		102	80-120			
Matrix Spike (P5K0150-MS1)	**Source: 5110128-03**			Prepared & Analyzed: 11/09/15						
Mercury	0.562	0.024	mg/kg dry	0.4942	0.0841	97	80-120			
Matrix Spike Dup (P5K0150-MSD1)	**Source: 5110128-03**			Prepared & Analyzed: 11/09/15						
Mercury	0.627	0.026	mg/kg dry	0.5445	0.0841	100	80-120	11	20	

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General Chemistry Parameters - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P5K0169 - Solids, Dry Weight										
Blank (P5K0169-BLK1)				Prepared & Analyzed: 11/09/15						
% Solids	100	0.100	% by Weight							
Duplicate (P5K0169-DUP1)		**Source: 5110128-03**		Prepared & Analyzed: 11/09/15						
% Solids	78.5	0.100	% by Weight		77.8			0.9	20	
Duplicate (P5K0169-DUP3)		**Source: 5110128-01**		Prepared & Analyzed: 11/09/15						
% Solids	73.3	0.100	% by Weight		72.0			2	20	

Sample Extraction Data

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
5110128-01	P5K0162	5.41 g	5 mL	11/09/15 14:03
5110128-02	P5K0162	5.06 g	5 mL	11/09/15 14:03

Prep Method: Solids, Dry Weight

Lab Number	Batch	Initial	Final	Date/Time
5110128-01	P5K0169	30 g	30 g	11/09/15 14:45
5110128-02	P5K0169	30 g	30 g	11/09/15 14:45
5110128-03	P5K0169	30 g	30 g	11/09/15 14:45
5110128-04	P5K0169	30 g	30 g	11/09/15 14:45
5110128-05	P5K0169	30 g	30 g	11/09/15 14:45
5110128-06	P5K0169	30 g	30 g	11/09/15 14:45
5110128-07	P5K0169	30 g	30 g	11/09/15 14:45
5110128-08	P5K0169	30 g	30 g	11/09/15 14:45

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
5110128-03	P5K0247	10.01 g	10 mL	11/12/15 8:00
5110128-04	P5K0247	30.01 g	10 mL	11/12/15 8:00

Prep Method: 3546

Lab Number	Batch	Initial	Final	Date/Time
5110128-03	P5K0151	30.02 g	1 mL	11/09/15 9:10
5110128-04	P5K0151	30.05 g	1 mL	11/09/15 9:10
5110128-05	P5K0151	30.01 g	1 mL	11/09/15 9:10
5110128-05	P5K0151	30.01 g	1 mL	11/09/15 9:10
5110128-06	P5K0151	30.04 g	1 mL	11/09/15 9:10
5110128-07	P5K0151	30.04 g	1 mL	11/09/15 9:10
5110128-08	P5K0151	30.05 g	1 mL	11/09/15 9:10

Prep Method: 3050B

Lab Number	Batch	Initial	Final	Date/Time
5110128-03	P5K0149	1.96 g	50 mL	11/09/15 8:05
5110128-03	P5K0149	1.96 g	50 mL	11/09/15 8:05
5110128-04	P5K0149	2.04 g	50 mL	11/09/15 8:05
5110128-04	P5K0149	2.04 g	50 mL	11/09/15 8:05

Prep Method: 7471B

Lab Number	Batch	Initial	Final	Date/Time
5110128-03	P5K0150	0.64 g	50 mL	11/09/15 8:45
5110128-04	P5K0150	0.65 g	50 mL	11/09/15 8:45

Prep Method: 5035

Lab Number	Batch	Initial	Final	Date/Time
5110128-01	P5K0076	5.97 g	5 mL	11/06/15 12:19
5110128-02	P5K0076	6.64 g	5 mL	11/06/15 12:19
5110128-03	P5K0076	5.96 g	5 mL	11/06/15 12:19
5110128-04	P5K0076	5.98 g	5 mL	11/06/15 12:19
5110128-05	P5K0076	6.59 g	5 mL	11/06/15 12:19
5110128-06	P5K0076	6.83 g	5 mL	11/06/15 12:19
5110128-07	P5K0076	6.66 g	5 mL	11/06/15 12:19
5110128-08	P5K0076	6.04 g	5 mL	11/06/15 12:19

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CHAIN OF CUSTODY RECORD

PRISM LABORATORIES, INC. | Full-Service Analytical & Environmental Solutions

449 Springbrook Road • Charlotte, NC 28217
Phone 704/529-6364 • Fax: 704/525-0409

PAGE 1 OF 1 QUOTE # TO ENSURE PROPER BILLING: _____

Project Name: Kessler Mill
Short Hold Analysis: (Yes) (No) UST Project: (Yes) (NO)
*Please ATTACH any project specific reporting (QC LEVEL I II III IV) provisions and/or QC Requirements
Invoice To: Amanda Rose @ Cardno
Address: _____

Client Company Name: Cardno
Report To/Contact Name: Christine Schaefer
Reporting Address: 7600A Whitehall Executive Center Dr. Charlotte NC 28273
Phone: 704 529 3200 Fax (Yes) (No): 704 529
Email Address: Christine.Schaefer@Cardno.com
EDD Type: PDF X Excel ___ Other ___
Site Location Name: Kessler Mill
Site Location Physical Address: Salisbury NC

Purchase Order No./Billing Reference _____
Requested Due Date ☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 4 Days ☐ 5 Days
"Working Days" ☐ 6-9 Days ☒ Standard 10 days ☐ Rush Work Must Be Pre-Approved
Samples received after 14:00 will be processed next business day.
Turnaround time is based on business days, excluding weekends and holidays.
(SEE REVERSE FOR TERMS & CONDITIONS REGARDING SERVICES RENDERED BY PRISM LABORATORIES, INC. TO CLIENT)

LAB USE ONLY

	YES	NO	N/A
Samples INTACT upon arrival?	X		
Received ON WET ICE?	X		
PROPER PRESERVATIVES indicated?	X		
Received WITHIN HOLDING TIMES?	X		
CUSTODY SEALS INTACT?			X
VOLATILES rec'd W/OUT HEADSPACE?			X
PROPER CONTAINERS used?	X		

TEMP: Therm ID: IR1-10 Observed 5.1 °C / Corr: 4.4 °C

Page 58 of 58

TO BE FILLED IN BY CLIENT/SAMPLING PERSONNEL
Certification: NELAC ___ DoD ___ FL ___ NC X
SC ___ OTHER ___ N/A ___
Water Chlorinated: YES ___ NO ___
Sample Iced Upon Collection: YES X NO ___

CLIENT SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED MILITARY HOURS	MATRIX (SOIL, WATER OR SLUDGE)	SAMPLE CONTAINER *TYPE SEE BELOW	NO.	SIZE	PRESERVATIVES	ANALYSIS REQUESTED 8260 VOC	TPH GRO	8015 SVOC	8270	PCB	Metals 6010	REMARKS	PRISM LAB ID NO.
GW-1(0-1)	11/4/15	930	Soil	VOA Clear Amber	5	40ml 4oz	HCl Methanol	X	X						01
GW-1(2-4)	11/4/15	940	Soil	VOA Clear Amber	5	40ml 4oz	Methanol HCl	X	X						02
GW-4(0-1)	11/4/15	1045	Soil	VOA Clear Amber	5	40ml 4oz	Methanol HCl	X		X	X	X			03
GW-4(5-7)	11/4/15	1055	Soil	VOA Clear Amber	5	40ml 4oz	Methanol HCl	X		X	X	X			04
GW-3(0-1)	11/4/15	1145	Soil	VOA Clear Amber	5	VOA Clear	Methanol HCl	X		X					05
GW-3(4-6)	11/4/15	1155	Soil	VOA Clear Amber	5	VOA Clear	Methanol HCl	X		X					06
GW-9(0-1)	11/4/15	1350	Soil	VOA Clear Amber	5	VOA Clear	Methanol HCl	X		X					07
GW-9(4-6)	11/4/15	1400	Soil	VOA Clear Amber	5	VOA Clear	Methanol HCl	X		X					08

Sampler's Signature: Brent Bayne Sampled By (Print Name): Brent Bayne Affiliation: Cardno

PRESS DOWN FIRMLY - 3 COPIES

Upon relinquishing, this Chain of Custody is your authorization for Prism to proceed with the analyses as requested above. Any changes must be submitted in writing to the Prism Project Manager. There will be charges for any changes after analyses have been initialized.

		Date	Military/Hours
Relinquished By: (Signature)	Received By: (Signature)	11-5-15	16:15
Relinquished By: (Signature)	Received By: (Signature)	Date	
Relinquished By: (Signature)	Received For Prism Laboratories By:	11-5-15	16:40

Method of Shipment: NOTE: ALL SAMPLE COOLERS SHOULD BE TAPED SHUT WITH CUSTODY SEALS FOR TRANSPORTATION TO THE LABORATORY. SAMPLES ARE NOT ACCEPTED AND VERIFIED AGAINST COC UNTIL RECEIVED AT THE LABORATORY.

☐ Fed Ex ☐ UPS ☐ Hand-delivered ☒ Prism Field Service ☐ Other _____

COC Group No. 5110128

Additional Comments:

PRISM USE ONLY

Site Arrival Time:	
Site Departure Time:	
Field Tech Fee:	
Mileage:	

NPDES:	UST:	GROUNDWATER:	DRINKING WATER:	SOLID WASTE:	RCRA:	CERCLA	LANDFILL	OTHER:
☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC	☐ NC ☐ SC
☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____	☐ _____

*CONTAINER TYPE CODES: A = Amber C = Clear G= Glass P = Plastic; TL = Teflon-Lined Cap VOA = Volatile Organics Analysis (Zero Head Space)

SEE REVERSE FOR TERMS & CONDITIONS

ORIGINAL

PRISM LABORATORIES, INC.
Full-Service Analytical & Environmental Solutions

NC Certification No. 402
SC Certification No. 99012
NC Drinking Water Cert No. 37735
VA Certification No. 460211
DoD ELAP: L-A-B Accredited Certificate No. L2307
ISO/IEC 17025: L-A-B Accredited Certificate No. L2307

Case Narrative

12/17/2015

ATC Group Services, LLC
Christine Schaefer
7606 Whitehall Executive Center Drive, Suite 800
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Lab Submittal Date: 11/06/2015
Prism Work Order: 5110135

This data package contains the analytical results for the project identified above and includes a Case Narrative, Sample Results and Chain of Custody. Unless otherwise noted, all samples were received in acceptable condition and processed according to the referenced methods.

Data qualifiers are flagged individually on each sample. A key reference for the data qualifiers appears at the end of this case narrative.

Please call if you have any questions relating to this analytical report.

Respectfully,

PRISM LABORATORIES, INC.

Angela D. Overcash
VP Laboratory Services

Reviewed By Angela D. Overcash
VP Laboratory Services

Data Qualifiers Key Reference:

CCV	CCV result is above the control limits. Analyte not detected in the sample. No further action taken.
D	RPD value outside of the control limits.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
L	Parameter reported with possible low bias. LCS recovery below the QC limit.
L1	LCS recovery outside of the QC limits. LCSD recovery within the limits. No further action taken.
L2	LCSD recovery outside of the QC limits. LCS recovery within the limits. No further action taken.
M	Matrix spike outside of the control limits.
MSD	MS/MSD RPD Value outside of the control limits.
BRL	Below Reporting Limit
MDL	Method Detection Limit
RPD	Relative Percent Difference
*	Results reported to the reporting limit. All other results are reported to the MDL with values between MDL and reporting limit indicated with a J.

Sample Receipt Summary

12/17/2015

Prism Work Order: 5110135

Client Sample ID	Lab Sample ID	Matrix	Date Sampled	Date Received
GW-2 (0-1)	5110135-01	Solid	11/04/15	11/06/15
GW-2 (2-4)	5110135-02	Solid	11/05/15	11/06/15
GW-5 (0-1)	5110135-03	Solid	11/05/15	11/06/15
GW-6 (0-1)	5110135-04	Solid	11/05/15	11/06/15
GW-6 (2-4)	5110135-05	Solid	11/05/15	11/06/15
GW-7 (0-1)	5110135-06	Solid	11/05/15	11/06/15
GW-7 (2-4)	5110135-07	Solid	11/05/15	11/06/15
GW-8 (0-1)	5110135-08	Solid	11/05/15	11/06/15
GW-8 (4-6)	5110135-09	Solid	11/05/15	11/06/15
GW-10 (0-1)	5110135-10	Solid	11/04/15	11/06/15
GW-10 (6-8)	5110135-11	Solid	11/04/15	11/06/15
GW-12 (0-1)	5110135-12	Solid	11/04/15	11/06/15
GW-12 (4-6)	5110135-13	Solid	11/04/15	11/06/15

Samples were received in good condition at 3.5 degrees C unless otherwise noted.

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Summary of Detections

12/17/2015

Prism Work Order: 5110135

Prism ID	Client ID	Parameter	Method	Result		Units
5110135-01	GW-2 (0-1)	1-Methylnaphthalene	8270D	0.20	J	mg/kg dry
5110135-01	GW-2 (0-1)	2-Methylnaphthalene	8270D	0.25	J	mg/kg dry
5110135-01	GW-2 (0-1)	Acenaphthene	8270D	0.70		mg/kg dry
5110135-01	GW-2 (0-1)	Acenaphthylene	8270D	0.17	J	mg/kg dry
5110135-01	GW-2 (0-1)	Anthracene	8270D	1.8		mg/kg dry
5110135-01	GW-2 (0-1)	Benzo(a)anthracene	8270D	4.6		mg/kg dry
5110135-01	GW-2 (0-1)	Benzo(a)pyrene	8270D	4.1		mg/kg dry
5110135-01	GW-2 (0-1)	Benzo(b)fluoranthene	8270D	5.2		mg/kg dry
5110135-01	GW-2 (0-1)	Benzo(g,h,i)perylene	8270D	2.4		mg/kg dry
5110135-01	GW-2 (0-1)	Benzo(k)fluoranthene	8270D	1.8		mg/kg dry
5110135-01	GW-2 (0-1)	Chrysene	8270D	4.3		mg/kg dry
5110135-01	GW-2 (0-1)	Dibenzo(a,h)anthracene	8270D	0.59		mg/kg dry
5110135-01	GW-2 (0-1)	Dibenzofuran	8270D	0.36	J	mg/kg dry
5110135-01	GW-2 (0-1)	Fluoranthene	8270D	7.2		mg/kg dry
5110135-01	GW-2 (0-1)	Fluorene	8270D	0.61		mg/kg dry
5110135-01	GW-2 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	2.5		mg/kg dry
5110135-01	GW-2 (0-1)	Naphthalene	8270D	0.33	J	mg/kg dry
5110135-01	GW-2 (0-1)	Phenanthrene	8270D	5.2		mg/kg dry
5110135-01	GW-2 (0-1)	Pyrene	8270D	6.6		mg/kg dry
5110135-01	GW-2 (0-1)	Acetone	8260B	0.052		mg/kg dry
5110135-01	GW-2 (0-1)	Naphthalene	8260B	0.027		mg/kg dry
5110135-01	GW-2 (0-1)	Trichlorofluoromethane	8260B	0.0020	J	mg/kg dry
5110135-02	GW-2 (2-4)	Benzo(a)anthracene	8270D	0.18	J	mg/kg dry
5110135-02	GW-2 (2-4)	Benzo(a)pyrene	8270D	0.15	J	mg/kg dry
5110135-02	GW-2 (2-4)	Benzo(b)fluoranthene	8270D	0.26	J	mg/kg dry
5110135-02	GW-2 (2-4)	Chrysene	8270D	0.16	J	mg/kg dry
5110135-02	GW-2 (2-4)	Fluoranthene	8270D	0.37	J	mg/kg dry
5110135-02	GW-2 (2-4)	Phenanthrene	8270D	0.25	J	mg/kg dry
5110135-02	GW-2 (2-4)	Pyrene	8270D	0.29	J	mg/kg dry
5110135-03	GW-5 (0-1)	Diesel Range Organics	*8015C	73		mg/kg dry
5110135-03	GW-5 (0-1)	Anthracene	8270D	0.17	J	mg/kg dry
5110135-03	GW-5 (0-1)	Benzo(a)anthracene	8270D	0.66		mg/kg dry
5110135-03	GW-5 (0-1)	Benzo(a)pyrene	8270D	0.66		mg/kg dry
5110135-03	GW-5 (0-1)	Benzo(b)fluoranthene	8270D	0.87		mg/kg dry
5110135-03	GW-5 (0-1)	Benzo(g,h,i)perylene	8270D	0.43		mg/kg dry
5110135-03	GW-5 (0-1)	Benzo(k)fluoranthene	8270D	0.44		mg/kg dry
5110135-03	GW-5 (0-1)	Chrysene	8270D	0.76		mg/kg dry
5110135-03	GW-5 (0-1)	Dibenzo(a,h)anthracene	8270D	0.11	J	mg/kg dry
5110135-03	GW-5 (0-1)	Fluoranthene	8270D	1.3		mg/kg dry
5110135-03	GW-5 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	0.43		mg/kg dry
5110135-03	GW-5 (0-1)	Phenanthrene	8270D	0.62		mg/kg dry
5110135-03	GW-5 (0-1)	Pyrene	8270D	1.2		mg/kg dry
5110135-04	GW-6 (0-1)	Anthracene	8270D	0.31	J	mg/kg dry
5110135-04	GW-6 (0-1)	Benzo(a)anthracene	8270D	0.98		mg/kg dry

Summary of Detections

12/17/2015

Prism Work Order: 5110135

Prism ID	Client ID	Parameter	Method	Result		Units
5110135-04	GW-6 (0-1)	Benzo(a)pyrene	8270D	0.77		mg/kg dry
5110135-04	GW-6 (0-1)	Benzo(b)fluoranthene	8270D	1.0		mg/kg dry
5110135-04	GW-6 (0-1)	Benzo(g,h,i)perylene	8270D	0.48		mg/kg dry
5110135-04	GW-6 (0-1)	Benzo(k)fluoranthene	8270D	0.36	J	mg/kg dry
5110135-04	GW-6 (0-1)	Chrysene	8270D	0.85		mg/kg dry
5110135-04	GW-6 (0-1)	Dibenzo(a,h)anthracene	8270D	0.13	J	mg/kg dry
5110135-04	GW-6 (0-1)	Fluoranthene	8270D	1.8		mg/kg dry
5110135-04	GW-6 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	0.49		mg/kg dry
5110135-04	GW-6 (0-1)	Phenanthrene	8270D	1.3		mg/kg dry
5110135-04	GW-6 (0-1)	Pyrene	8270D	1.6		mg/kg dry
5110135-04	GW-6 (0-1)	Acetone	8260B	0.27		mg/kg dry
5110135-05	GW-6 (2-4)	1-Methylnaphthalene	8270D	0.11	J	mg/kg dry
5110135-05	GW-6 (2-4)	2-Methylnaphthalene	8270D	0.14	J	mg/kg dry
5110135-05	GW-6 (2-4)	Acenaphthene	8270D	0.19	J	mg/kg dry
5110135-05	GW-6 (2-4)	Anthracene	8270D	0.61		mg/kg dry
5110135-05	GW-6 (2-4)	Benzo(a)anthracene	8270D	1.1		mg/kg dry
5110135-05	GW-6 (2-4)	Benzo(a)pyrene	8270D	0.85		mg/kg dry
5110135-05	GW-6 (2-4)	Benzo(b)fluoranthene	8270D	1.1		mg/kg dry
5110135-05	GW-6 (2-4)	Benzo(g,h,i)perylene	8270D	0.46		mg/kg dry
5110135-05	GW-6 (2-4)	Benzo(k)fluoranthene	8270D	0.43		mg/kg dry
5110135-05	GW-6 (2-4)	Chrysene	8270D	1.0		mg/kg dry
5110135-05	GW-6 (2-4)	Dibenzo(a,h)anthracene	8270D	0.13	J	mg/kg dry
5110135-05	GW-6 (2-4)	Dibenzofuran	8270D	0.18	J	mg/kg dry
5110135-05	GW-6 (2-4)	Fluoranthene	8270D	2.2		mg/kg dry
5110135-05	GW-6 (2-4)	Fluorene	8270D	0.22	J	mg/kg dry
5110135-05	GW-6 (2-4)	Indeno(1,2,3-cd)pyrene	8270D	0.48		mg/kg dry
5110135-05	GW-6 (2-4)	Naphthalene	8270D	0.15	J	mg/kg dry
5110135-05	GW-6 (2-4)	Phenanthrene	8270D	2.1		mg/kg dry
5110135-05	GW-6 (2-4)	Pyrene	8270D	1.8		mg/kg dry
5110135-05	GW-6 (2-4)	Acetone	8260B	0.079		mg/kg dry
5110135-06	GW-7 (0-1)	Aluminum	*6010C	38000		mg/kg dry
5110135-06	GW-7 (0-1)	Mercury	*7471B	0.057		mg/kg dry
5110135-06	GW-7 (0-1)	Antimony	*6010C	9.4		mg/kg dry
5110135-06	GW-7 (0-1)	Arsenic	*6010C	29		mg/kg dry
5110135-06	GW-7 (0-1)	Barium	*6010C	96		mg/kg dry
5110135-06	GW-7 (0-1)	Beryllium	*6010C	31		mg/kg dry
5110135-06	GW-7 (0-1)	Cadmium	*6010C	27		mg/kg dry
5110135-06	GW-7 (0-1)	Calcium	*6010C	930		mg/kg dry
5110135-06	GW-7 (0-1)	Chromium	*6010C	55		mg/kg dry
5110135-06	GW-7 (0-1)	Cobalt	*6010C	58		mg/kg dry
5110135-06	GW-7 (0-1)	Copper	*6010C	85		mg/kg dry
5110135-06	GW-7 (0-1)	Iron	*6010C	54000		mg/kg dry
5110135-06	GW-7 (0-1)	Lead	*6010C	37		mg/kg dry
5110135-06	GW-7 (0-1)	Magnesium	*6010C	1300		mg/kg dry
5110135-06	GW-7 (0-1)	Manganese	*6010C	500		mg/kg dry

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Prism ID	Client ID	Parameter	Method	Result		Units
5110135-06	GW-7 (0-1)	Nickel	*6010C	42		mg/kg dry
5110135-06	GW-7 (0-1)	Potassium	*6010C	1700		mg/kg dry
5110135-06	GW-7 (0-1)	Selenium	*6010C	21		mg/kg dry
5110135-06	GW-7 (0-1)	Silver	*6010C	11		mg/kg dry
5110135-06	GW-7 (0-1)	Sodium	*6010C	670		mg/kg dry
5110135-06	GW-7 (0-1)	Thallium	*6010C	25		mg/kg dry
5110135-06	GW-7 (0-1)	Vanadium	*6010C	150		mg/kg dry
5110135-06	GW-7 (0-1)	Zinc	*6010C	91		mg/kg dry
5110135-07	GW-7 (2-4)	1-Methylnaphthalene	8270D	0.11	J	mg/kg dry
5110135-07	GW-7 (2-4)	2-Methylnaphthalene	8270D	0.15	J	mg/kg dry
5110135-07	GW-7 (2-4)	Fluoranthene	8270D	0.12	J	mg/kg dry
5110135-07	GW-7 (2-4)	Phenanthrene	8270D	0.15	J	mg/kg dry
5110135-07	GW-7 (2-4)	Pyrene	8270D	0.12	J	mg/kg dry
5110135-07	GW-7 (2-4)	Aluminum	*6010C	41000		mg/kg dry
5110135-07	GW-7 (2-4)	Mercury	*7471B	0.066		mg/kg dry
5110135-07	GW-7 (2-4)	Antimony	*6010C	9.9		mg/kg dry
5110135-07	GW-7 (2-4)	Arsenic	*6010C	28		mg/kg dry
5110135-07	GW-7 (2-4)	Barium	*6010C	78		mg/kg dry
5110135-07	GW-7 (2-4)	Beryllium	*6010C	31		mg/kg dry
5110135-07	GW-7 (2-4)	Cadmium	*6010C	27		mg/kg dry
5110135-07	GW-7 (2-4)	Calcium	*6010C	630		mg/kg dry
5110135-07	GW-7 (2-4)	Chromium	*6010C	57		mg/kg dry
5110135-07	GW-7 (2-4)	Cobalt	*6010C	78		mg/kg dry
5110135-07	GW-7 (2-4)	Copper	*6010C	90		mg/kg dry
5110135-07	GW-7 (2-4)	Iron	*6010C	53000		mg/kg dry
5110135-07	GW-7 (2-4)	Lead	*6010C	38		mg/kg dry
5110135-07	GW-7 (2-4)	Magnesium	*6010C	1600		mg/kg dry
5110135-07	GW-7 (2-4)	Manganese	*6010C	480		mg/kg dry
5110135-07	GW-7 (2-4)	Nickel	*6010C	40		mg/kg dry
5110135-07	GW-7 (2-4)	Potassium	*6010C	1400		mg/kg dry
5110135-07	GW-7 (2-4)	Selenium	*6010C	22		mg/kg dry
5110135-07	GW-7 (2-4)	Silver	*6010C	11		mg/kg dry
5110135-07	GW-7 (2-4)	Sodium	*6010C	670		mg/kg dry
5110135-07	GW-7 (2-4)	Thallium	*6010C	25		mg/kg dry
5110135-07	GW-7 (2-4)	Vanadium	*6010C	160		mg/kg dry
5110135-07	GW-7 (2-4)	Zinc	*6010C	91		mg/kg dry
5110135-08	GW-8 (0-1)	Diesel Range Organics	*8015C	63		mg/kg dry
5110135-08	GW-8 (0-1)	1-Methylnaphthalene	8270D	0.48		mg/kg dry
5110135-08	GW-8 (0-1)	2-Methylnaphthalene	8270D	0.63		mg/kg dry
5110135-08	GW-8 (0-1)	Benzo(a)anthracene	8270D	0.22	J	mg/kg dry
5110135-08	GW-8 (0-1)	Benzo(a)pyrene	8270D	0.17	J	mg/kg dry
5110135-08	GW-8 (0-1)	Benzo(b)fluoranthene	8270D	0.29	J	mg/kg dry
5110135-08	GW-8 (0-1)	Benzo(k)fluoranthene	8270D	0.11	J	mg/kg dry
5110135-08	GW-8 (0-1)	Benzoic Acid	8270D	0.30	J	mg/kg dry
5110135-08	GW-8 (0-1)	Chrysene	8270D	0.25	J	mg/kg dry

Summary of Detections

12/17/2015

Prism Work Order: 5110135

Prism ID	Client ID	Parameter	Method	Result		Units
5110135-08	GW-8 (0-1)	Dibenzofuran	8270D	0.17	J	mg/kg dry
5110135-08	GW-8 (0-1)	Fluoranthene	8270D	0.36	J	mg/kg dry
5110135-08	GW-8 (0-1)	Naphthalene	8270D	0.47		mg/kg dry
5110135-08	GW-8 (0-1)	Phenanthrene	8270D	0.52		mg/kg dry
5110135-08	GW-8 (0-1)	Pyrene	8270D	0.33	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzo(a)anthracene	8270D	0.22	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzo(a)pyrene	8270D	0.18	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzo(b)fluoranthene	8270D	0.26	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzo(g,h,i)perylene	8270D	0.11	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzo(k)fluoranthene	8270D	0.12	J	mg/kg dry
5110135-10	GW-10 (0-1)	Benzoic Acid	8270D	0.18	J	mg/kg dry
5110135-10	GW-10 (0-1)	Chrysene	8270D	0.19	J	mg/kg dry
5110135-10	GW-10 (0-1)	Fluoranthene	8270D	0.39	J	mg/kg dry
5110135-10	GW-10 (0-1)	Indeno(1,2,3-cd)pyrene	8270D	0.12	J	mg/kg dry
5110135-10	GW-10 (0-1)	Phenanthrene	8270D	0.25	J	mg/kg dry
5110135-10	GW-10 (0-1)	Pyrene	8270D	0.33	J	mg/kg dry
5110135-10	GW-10 (0-1)	Acetone	8260B	0.13		mg/kg dry
5110135-12	GW-12 (0-1)	Acetone	8260B	0.093		mg/kg dry
5110135-13	GW-12 (4-6)	Benzo(b)fluoranthene	8270D	0.13	J	mg/kg dry
5110135-13	GW-12 (4-6)	Fluoranthene	8270D	0.24	J	mg/kg dry
5110135-13	GW-12 (4-6)	Phenanthrene	8270D	0.20	J	mg/kg dry
5110135-13	GW-12 (4-6)	Pyrene	8270D	0.19	J	mg/kg dry

449 Springbrook Road - P.O. Box 240543 - Charlotte, NC 28224-0543
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ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (0-1)
Prism Sample ID: 5110135-01
Prism Work Order: 5110135
Time Collected: 11/04/15 14:45
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**78.1**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 17:27	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 17:27	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 17:27	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 17:27	JMV	P5K0151
1-Methylnaphthalene	**0.20 J**	**mg/kg dry**	**0.42**	**0.081**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.079	1	8270D	11/10/15 17:27	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 17:27	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 17:27	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 17:27	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 17:27	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:27	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 17:27	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:27	JMV	P5K0151
2-Methylnaphthalene	**0.25 J**	**mg/kg dry**	**0.42**	**0.067**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 17:27	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.077	1	8270D	11/10/15 17:27	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.083	1	8270D	11/10/15 17:27	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 17:27	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 17:27	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 17:27	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 17:27	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 17:27	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 17:27	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 17:27	JMV	P5K0151
Acenaphthene	**0.70**	**mg/kg dry**	**0.42**	**0.057**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Acenaphthylene	**0.17 J**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Anthracene	**1.8**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:27	JMV	P5K0151
Benzo(a)anthracene	**4.6**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Benzo(a)pyrene	**4.1**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**5.2**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**2.4**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**1.8**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.42	0.036	1	8270D	11/10/15 17:27	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:27	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 17:27	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:27	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 17:27	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 17:27	JMV	P5K0151

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (0-1)
Prism Sample ID: 5110135-01
Prism Work Order: 5110135
Time Collected: 11/04/15 14:45
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:27	JMV	P5K0151
Chrysene	**4.3**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.59**	**mg/kg dry**	**0.42**	**0.051**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Dibenzofuran	**0.36 J**	**mg/kg dry**	**0.42**	**0.064**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 17:27	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 17:27	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:27	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 17:27	JMV	P5K0151
Fluoranthene	**7.2**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Fluorene	**0.61**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 17:27	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 17:27	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 17:27	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 17:27	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**2.5**	**mg/kg dry**	**0.42**	**0.048**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 17:27	JMV	P5K0151
Naphthalene	**0.33 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 17:27	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 17:27	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 17:27	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 17:27	JMV	P5K0151
Phenanthrene	**5.2**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 17:27	JMV	P5K0151
Pyrene	**6.6**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 17:27**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*67 %*	*39-132*
2-Fluorobiphenyl	*66 %*	*44-115*
2-Fluorophenol	*60 %*	*35-115*
Nitrobenzene-d5	*60 %*	*37-122*
Phenol-d5	*61 %*	*34-121*
Terphenyl-d14	*72 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00038	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00041	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00060	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	11/9/15 17:19	MW&C(	P5K0168

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (0-1)
Prism Sample ID: 5110135-01
Prism Work Order: 5110135
Time Collected: 11/04/15 14:45
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	11/9/15 17:19	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:19	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	11/9/15 17:19	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Acetone	**0.052**	**mg/kg dry**	**0.047**	**0.0011**	**1**	**8260B**	**11/9/15 17:19**	**MW&C(**	**P5K0168**
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0047	0.00053	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.0094	0.00058	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.0094	0.00039	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0047	0.00031	1	8260B	11/9/15 17:19	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	11/9/15 17:19	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0047	0.00021	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.0094	0.00043	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00042	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.094	0.00042	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0094	0.00015	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Naphthalene	**0.027**	**mg/kg dry**	**0.0094**	**0.00015**	**1**	**8260B**	**11/9/15 17:19**	**MW&C(**	**P5K0168**
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	11/9/15 17:19	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:19	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (0-1)
Prism Sample ID: 5110135-01
Prism Work Order: 5110135
Time Collected: 11/04/15 14:45
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	11/9/15 17:19	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:19	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00030	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Trichlorofluoromethane	**0.0020 J**	**mg/kg dry**	**0.0047**	**0.00030**	**1**	**8260B**	**11/9/15 17:19**	**MW&C(**	**P5K0168**
Vinyl acetate	BRL	mg/kg dry	0.023	0.00064	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:19	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.014	0.00088	1	8260B	11/9/15 17:19	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*93 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*91 %*	*76-129*

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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (2-4)
Prism Sample ID: 5110135-02
Prism Work Order: 5110135
Time Collected: 11/05/15 12:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.1**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 14:26	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:26	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 14:26	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.42	0.080	1	8270D	11/10/15 14:26	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.078	1	8270D	11/10/15 14:26	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.081	1	8270D	11/10/15 14:26	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 14:26	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 14:26	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:26	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:26	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:26	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 14:26	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.42	0.053	1	8270D	11/10/15 14:26	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 14:26	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 14:26	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:26	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:26	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 14:26	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 14:26	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 14:26	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 14:26	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 14:26	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 14:26	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:26	JMV	P5K0151
Anthracene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 14:26	JMV	P5K0151
Azobenzene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:26	JMV	P5K0151
Benzo(a)anthracene	**0.18 J**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.15 J**	**mg/kg dry**	**0.42**	**0.045**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**0.26 J**	**mg/kg dry**	**0.42**	**0.048**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.42	0.046	1	8270D	11/10/15 14:26	JMV	P5K0151
Benzo(k)fluoranthene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:26	JMV	P5K0151
Benzoic Acid	BRL	mg/kg dry	0.42	0.035	1	8270D	11/10/15 14:26	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:26	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 14:26	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 14:26	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 14:26	JMV	P5K0151

ATC Group Services, LLC
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (2-4)
Prism Sample ID: 5110135-02
Prism Work Order: 5110135
Time Collected: 11/05/15 12:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
Chrysene	**0.16 J**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:26	JMV	P5K0151
Dibenzofuran	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:26	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 14:26	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:26	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:26	JMV	P5K0151
Fluoranthene	**0.37 J**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:26	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 14:26	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 14:26	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.074	1	8270D	11/10/15 14:26	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.070	1	8270D	11/10/15 14:26	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.42	0.048	1	8270D	11/10/15 14:26	JMV	P5K0151
Isophorone	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 14:26	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 14:26	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:26	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 14:26	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:26	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.049	1	8270D	11/10/15 14:26	JMV	P5K0151
Phenanthrene	**0.25 J**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 14:26	JMV	P5K0151
Pyrene	**0.29 J**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 14:26**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*83 %*	*39-132*
2-Fluorobiphenyl	*82 %*	*44-115*
2-Fluorophenol	*76 %*	*35-115*
Nitrobenzene-d5	*74 %*	*37-122*
Phenol-d5	*78 %*	*34-121*
Terphenyl-d14	*85 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00039	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0047	0.00042	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0047	0.00013	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00021	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0047	0.00060	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00036	1	8260B	11/9/15 17:50	MW&C(	P5K0168

ATC Group Services, LLC
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (2-4)
Prism Sample ID: 5110135-02
Prism Work Order: 5110135
Time Collected: 11/05/15 12:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00029	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0047	0.00035	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00031	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0047	0.00024	1	8260B	11/9/15 17:50	MW&C(	P5K0168
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	11/9/15 17:50	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:50	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	11/9/15 17:50	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Acetone	BRL	mg/kg dry	0.047	0.0011	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Benzene	BRL	mg/kg dry	0.0028	0.00027	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0047	0.00039	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0047	0.00053	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.0094	0.00058	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.0094	0.00039	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0047	0.00034	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0047	0.00032	1	8260B	11/9/15 17:50	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00020	1	8260B	11/9/15 17:50	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0047	0.00021	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0047	0.00018	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.0094	0.00043	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.047	0.00042	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.094	0.00042	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.047	0.00040	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0047	0.00026	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0094	0.00015	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.0094	0.00015	1	8260B	11/9/15 17:50	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0047	0.00024	1	8260B	11/9/15 17:50	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0047	0.00019	1	8260B	11/9/15 17:50	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Styrene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-2 (2-4)
Prism Sample ID: 5110135-02
Prism Work Order: 5110135
Time Collected: 11/05/15 12:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0047	0.00016	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0047	0.00022	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0047	0.00027	1	8260B	11/9/15 17:50	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0047	0.00028	1	8260B	11/9/15 17:50	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0047	0.00025	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0047	0.00030	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0047	0.00030	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Vinyl acetate	BRL	mg/kg dry	0.023	0.00064	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0047	0.00023	1	8260B	11/9/15 17:50	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.014	0.00088	1	8260B	11/9/15 17:50	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*84 %*	*70-130*
Dibromofluoromethane	*106 %*	*84-123*
Toluene-d8	*84 %*	*76-129*

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-5 (0-1)
Prism Sample ID: 5110135-03
Prism Work Order: 5110135
Time Collected: 11/05/15 10:35
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	**73**	**mg/kg dry**	**8.9**	**1.1**	**1**	***8015C**	**11/12/15 18:41**	**ZRC**	**P5K0200**
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*67 %*		*49-124*	
Gasoline Range Organics by GC/FID									
Gasoline Range Organics	BRL	mg/kg dry	5.4	1.1	50	*8015C	11/10/15 3:16	ANG	P5K0162
			Surrogate			Recovery		Control Limits	
			a,a,a-Trifluorotoluene			*84 %*		*50-137*	
General Chemistry Parameters									
% Solids	**78.7**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.063	0.0060	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1221	BRL	mg/kg dry	0.13	0.051	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1232	BRL	mg/kg dry	0.13	0.017	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1242	BRL	mg/kg dry	0.063	0.017	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1248	BRL	mg/kg dry	0.063	0.013	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1254	BRL	mg/kg dry	0.063	0.016	1	8082A	11/13/15 4:02	JMC	P5K0219
Aroclor 1260	BRL	mg/kg dry	0.063	0.0088	1	8082A	11/13/15 4:02	JMC	P5K0219
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			*62 %*		*36-182*	
			Decachlorobiphenyl			*92 %*		*34-182*	
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 18:12	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:12	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:12	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:12	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.42	0.081	1	8270D	11/10/15 18:12	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.079	1	8270D	11/10/15 18:12	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.081	1	8270D	11/10/15 18:12	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:12	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 18:12	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 18:12	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 18:12	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:12	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:12	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 18:12	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 18:12	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 18:12	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.083	1	8270D	11/10/15 18:12	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 18:12	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 18:12	JMV	P5K0151

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-5 (0-1)
Prism Sample ID: 5110135-03
Prism Work Order: 5110135
Time Collected: 11/05/15 10:35
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 18:12	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:12	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 18:12	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 18:12	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 18:12	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 18:12	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:12	JMV	P5K0151
Anthracene	**0.17 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 18:12	JMV	P5K0151
Benzo(a)anthracene	**0.66**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.66**	**mg/kg dry**	**0.42**	**0.045**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**0.87**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.43**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.44**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.42	0.035	1	8270D	11/10/15 18:12	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 18:12	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 18:12	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:12	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 18:12	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 18:12	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:12	JMV	P5K0151
Chrysene	**0.76**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.11 J**	**mg/kg dry**	**0.42**	**0.051**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Dibenzofuran	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:12	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 18:12	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 18:12	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:12	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 18:12	JMV	P5K0151
Fluoranthene	**1.3**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:12	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 18:12	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 18:12	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 18:12	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.070	1	8270D	11/10/15 18:12	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.43**	**mg/kg dry**	**0.42**	**0.048**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 18:12	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 18:12	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:12	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 18:12	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:12	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.049	1	8270D	11/10/15 18:12	JMV	P5K0151
Phenanthrene	**0.62**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 18:12	JMV	P5K0151

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7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-5 (0-1)
Prism Sample ID: 5110135-03
Prism Work Order: 5110135
Time Collected: 11/05/15 10:35
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Pyrene	**1.2**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 18:12**	**JMV**	**P5K0151**
			Surrogate			Recovery		Control Limits	
			2,4,6-Tribromophenol			*86 %*		*39-132*	
			2-Fluorobiphenyl			*81 %*		*44-115*	
			2-Fluorophenol			*71 %*		*35-115*	
			Nitrobenzene-d5			*71 %*		*37-122*	
			Phenol-d5			*74 %*		*34-121*	
			Terphenyl-d14			*87 %*		*54-127*	
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0065	0.00053	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0065	0.00044	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0065	0.00058	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0065	0.00018	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00029	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00036	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0065	0.00037	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0065	0.00083	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0065	0.00048	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0065	0.00050	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2-Dibromoethane	BRL	mg/kg dry	0.0065	0.00026	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0065	0.00039	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0065	0.00040	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0065	0.00049	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00043	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0065	0.00033	1	8260B	11/9/15 18:22	MW&C(	P5K0168
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0065	0.00026	1	8260B	11/9/15 18:22	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	11/9/15 18:22	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	11/9/15 18:22	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Acetone	BRL	mg/kg dry	0.065	0.0016	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Benzene	BRL	mg/kg dry	0.0039	0.00038	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0065	0.00054	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0065	0.00036	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0065	0.00074	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.013	0.00080	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0065	0.00032	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.013	0.00054	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0065	0.00047	1	8260B	11/9/15 18:22	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-5 (0-1)
Prism Sample ID: 5110135-03
Prism Work Order: 5110135
Time Collected: 11/05/15 10:35
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Chloromethane	BRL	mg/kg dry	0.0065	0.00044	1	8260B	11/9/15 18:22	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00028	1	8260B	11/9/15 18:22	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00022	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0065	0.00027	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0065	0.00030	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0065	0.00025	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0065	0.00027	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0065	0.00038	1	8260B	11/9/15 18:22	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.013	0.00060	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.065	0.00059	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.13	0.00059	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.065	0.00055	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0065	0.00037	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.013	0.00021	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.013	0.00021	1	8260B	11/9/15 18:22	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0065	0.00033	1	8260B	11/9/15 18:22	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	11/9/15 18:22	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0065	0.00027	1	8260B	11/9/15 18:22	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Styrene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	11/9/15 18:22	MW&C(	P5K0168
tert-Butylbenzene	BRL	mg/kg dry	0.0065	0.00022	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0065	0.00037	1	8260B	11/9/15 18:22	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0065	0.00039	1	8260B	11/9/15 18:22	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0065	0.00034	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0065	0.00042	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0065	0.00042	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Vinyl acetate	BRL	mg/kg dry	0.032	0.00089	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0065	0.00031	1	8260B	11/9/15 18:22	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.019	0.0012	1	8260B	11/9/15 18:22	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*87 %*	*70-130*
Dibromofluoromethane	*102 %*	*84-123*
Toluene-d8	*87 %*	*76-129*

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (0-1)
Prism Sample ID: 5110135-04
Prism Work Order: 5110135
Time Collected: 11/05/15 14:15
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**81.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.40	0.063	1	8270D	11/10/15 18:35	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.40	0.061	1	8270D	11/10/15 18:35	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.40	0.059	1	8270D	11/10/15 18:35	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.40	0.078	1	8270D	11/10/15 18:35	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.40	0.076	1	8270D	11/10/15 18:35	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.40	0.078	1	8270D	11/10/15 18:35	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.40	0.062	1	8270D	11/10/15 18:35	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.40	0.056	1	8270D	11/10/15 18:35	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.40	0.049	1	8270D	11/10/15 18:35	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.40	0.054	1	8270D	11/10/15 18:35	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.40	0.059	1	8270D	11/10/15 18:35	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.40	0.065	1	8270D	11/10/15 18:35	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.40	0.052	1	8270D	11/10/15 18:35	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.40	0.074	1	8270D	11/10/15 18:35	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.40	0.080	1	8270D	11/10/15 18:35	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.40	0.050	1	8270D	11/10/15 18:35	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.40	0.061	1	8270D	11/10/15 18:35	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.40	0.069	1	8270D	11/10/15 18:35	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.40	0.049	1	8270D	11/10/15 18:35	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.40	0.053	1	8270D	11/10/15 18:35	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.40	0.062	1	8270D	11/10/15 18:35	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.40	0.055	1	8270D	11/10/15 18:35	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.40	0.059	1	8270D	11/10/15 18:35	JMV	P5K0151
Anthracene	**0.31 J**	**mg/kg dry**	**0.40**	**0.065**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.40	0.053	1	8270D	11/10/15 18:35	JMV	P5K0151
Benzo(a)anthracene	**0.98**	**mg/kg dry**	**0.40**	**0.053**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.77**	**mg/kg dry**	**0.40**	**0.044**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**1.0**	**mg/kg dry**	**0.40**	**0.047**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.48**	**mg/kg dry**	**0.40**	**0.044**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.36 J**	**mg/kg dry**	**0.40**	**0.053**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.40	0.034	1	8270D	11/10/15 18:35	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.40	0.053	1	8270D	11/10/15 18:35	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.40	0.070	1	8270D	11/10/15 18:35	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.40	0.069	1	8270D	11/10/15 18:35	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.40	0.060	1	8270D	11/10/15 18:35	JMV	P5K0151

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (0-1)
Prism Sample ID: 5110135-04
Prism Work Order: 5110135
Time Collected: 11/05/15 14:15
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.40	0.058	1	8270D	11/10/15 18:35	JMV	P5K0151
Chrysene	**0.85**	**mg/kg dry**	**0.40**	**0.051**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.13 J**	**mg/kg dry**	**0.40**	**0.049**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Dibenzofuran	BRL	mg/kg dry	0.40	0.062	1	8270D	11/10/15 18:35	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.40	0.056	1	8270D	11/10/15 18:35	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.40	0.053	1	8270D	11/10/15 18:35	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.40	0.050	1	8270D	11/10/15 18:35	JMV	P5K0151
Fluoranthene	**1.8**	**mg/kg dry**	**0.40**	**0.052**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.40	0.058	1	8270D	11/10/15 18:35	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.40	0.064	1	8270D	11/10/15 18:35	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.40	0.073	1	8270D	11/10/15 18:35	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.40	0.072	1	8270D	11/10/15 18:35	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.40	0.068	1	8270D	11/10/15 18:35	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.49**	**mg/kg dry**	**0.40**	**0.046**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.40	0.055	1	8270D	11/10/15 18:35	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.40	0.065	1	8270D	11/10/15 18:35	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.40	0.057	1	8270D	11/10/15 18:35	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.40	0.064	1	8270D	11/10/15 18:35	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.40	0.062	1	8270D	11/10/15 18:35	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.40	0.048	1	8270D	11/10/15 18:35	JMV	P5K0151
Phenanthrene	**1.3**	**mg/kg dry**	**0.40**	**0.053**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.40	0.060	1	8270D	11/10/15 18:35	JMV	P5K0151
Pyrene	**1.6**	**mg/kg dry**	**0.40**	**0.054**	**1**	**8270D**	**11/10/15 18:35**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*78 %*	*39-132*
2-Fluorobiphenyl	*74 %*	*44-115*
2-Fluorophenol	*65 %*	*35-115*
Nitrobenzene-d5	*65 %*	*37-122*
Phenol-d5	*67 %*	*34-121*
Terphenyl-d14	*79 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00040	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0048	0.00033	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0048	0.00043	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0048	0.00013	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00021	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00026	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00027	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0048	0.00061	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0048	0.00036	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00037	1	8260B	11/9/15 18:53	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (0-1)
Prism Sample ID: 5110135-04
Prism Work Order: 5110135
Time Collected: 11/05/15 14:15
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2-Dibromoethane	BRL	mg/kg dry	0.0048	0.00019	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0048	0.00029	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00030	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0048	0.00036	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00032	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0048	0.00024	1	8260B	11/9/15 18:53	MW&C(	P5K0168
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0048	0.00019	1	8260B	11/9/15 18:53	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	11/9/15 18:53	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	11/9/15 18:53	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Acetone	**0.27**	**mg/kg dry**	**0.048**	**0.0012**	**1**	**8260B**	**11/9/15 18:53**	**MW&C(**	**P5K0168**
Benzene	BRL	mg/kg dry	0.0029	0.00028	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0048	0.00040	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0048	0.00026	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0048	0.00027	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0048	0.00055	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.0096	0.00059	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0048	0.00024	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.0096	0.00040	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0048	0.00035	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0048	0.00032	1	8260B	11/9/15 18:53	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00020	1	8260B	11/9/15 18:53	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0048	0.00020	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0048	0.00022	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0048	0.00018	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0048	0.00020	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0048	0.00028	1	8260B	11/9/15 18:53	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.0096	0.00044	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.048	0.00043	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.096	0.00043	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.048	0.00041	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0048	0.00027	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0096	0.00015	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.0096	0.00015	1	8260B	11/9/15 18:53	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	11/9/15 18:53	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	11/9/15 18:53	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0048	0.00020	1	8260B	11/9/15 18:53	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Styrene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	11/9/15 18:53	MW&C(	P5K0168

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Sample Matrix: Solid

Client Sample ID: GW-6 (0-1)
Prism Sample ID: 5110135-04
Prism Work Order: 5110135
Time Collected: 11/05/15 14:15
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
tert-Butylbenzene	BRL	mg/kg dry	0.0048	0.00016	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0048	0.00028	1	8260B	11/9/15 18:53	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0048	0.00029	1	8260B	11/9/15 18:53	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0048	0.00025	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0048	0.00031	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0048	0.00031	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Vinyl acetate	BRL	mg/kg dry	0.024	0.00066	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0048	0.00023	1	8260B	11/9/15 18:53	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.014	0.00090	1	8260B	11/9/15 18:53	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*84 %*	*70-130*
Dibromofluoromethane	*114 %*	*84-123*
Toluene-d8	*86 %*	*76-129*

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (2-4)
Prism Sample ID: 5110135-05
Prism Work Order: 5110135
Time Collected: 11/05/15 14:25
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**77.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 16:20	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 16:20	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 16:20	JMV	P5K0151
1-Methylnaphthalene	**0.11 J**	**mg/kg dry**	**0.42**	**0.082**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.079	1	8270D	11/10/15 16:20	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 16:20	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 16:20	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 16:20	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 16:20	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 16:20	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 16:20	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
2-Methylnaphthalene	**0.14 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 16:20	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.077	1	8270D	11/10/15 16:20	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.084	1	8270D	11/10/15 16:20	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 16:20	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 16:20	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 16:20	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 16:20	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 16:20	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 16:20	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 16:20	JMV	P5K0151
Acenaphthene	**0.19 J**	**mg/kg dry**	**0.42**	**0.058**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Acenaphthylene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 16:20	JMV	P5K0151
Anthracene	**0.61**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Azobenzene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 16:20	JMV	P5K0151
Benzo(a)anthracene	**1.1**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.85**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**1.1**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	**0.46**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Benzo(k)fluoranthene	**0.43**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Benzoic Acid	BRL	mg/kg dry	0.42	0.036	1	8270D	11/10/15 16:20	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 16:20	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.074	1	8270D	11/10/15 16:20	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 16:20	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 16:20	JMV	P5K0151

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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (2-4)
Prism Sample ID: 5110135-05
Prism Work Order: 5110135
Time Collected: 11/05/15 14:25
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
Chrysene	**1.0**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	**0.13 J**	**mg/kg dry**	**0.42**	**0.052**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Dibenzofuran	**0.18 J**	**mg/kg dry**	**0.42**	**0.064**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 16:20	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 16:20	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 16:20	JMV	P5K0151
Fluoranthene	**2.2**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Fluorene	**0.22 J**	**mg/kg dry**	**0.42**	**0.061**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 16:20	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 16:20	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 16:20	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 16:20	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	**0.48**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 16:20	JMV	P5K0151
Naphthalene	**0.15 J**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 16:20	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 16:20	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 16:20	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 16:20	JMV	P5K0151
Phenanthrene	**2.1**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 16:20	JMV	P5K0151
Pyrene	**1.8**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 16:20**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*73 %*	*39-132*
2-Fluorobiphenyl	*74 %*	*44-115*
2-Fluorophenol	*66 %*	*35-115*
Nitrobenzene-d5	*66 %*	*37-122*
Phenol-d5	*69 %*	*34-121*
Terphenyl-d14	*77 %*	*54-127*

Volatile Organic Compounds by GC/MS

1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0062	0.00051	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0062	0.00042	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0062	0.00055	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0062	0.00017	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0062	0.00027	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0062	0.00034	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0062	0.00035	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0062	0.00079	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0062	0.00046	1	8260B	11/9/15 19:24	MW&C(	P5K0168

ATC Group Services, LLC
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (2-4)
Prism Sample ID: 5110135-05
Prism Work Order: 5110135
Time Collected: 11/05/15 14:25
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0062	0.00047	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2-Dibromoethane	BRL	mg/kg dry	0.0062	0.00025	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0062	0.00029	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0062	0.00038	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0062	0.00047	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0062	0.00041	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0062	0.00031	1	8260B	11/9/15 19:24	MW&C(	P5K0168
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0062	0.00024	1	8260B	11/9/15 19:24	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0062	0.00032	1	8260B	11/9/15 19:24	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Acetone	**0.079**	**mg/kg dry**	**0.062**	**0.0016**	**1**	**8260B**	**11/9/15 19:24**	**MW&C(**	**P5K0168**
Benzene	BRL	mg/kg dry	0.0037	0.00036	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0062	0.00052	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0062	0.00034	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0062	0.00035	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0062	0.00071	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.012	0.00077	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0062	0.00031	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0062	0.00033	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.012	0.00052	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0062	0.00045	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0062	0.00042	1	8260B	11/9/15 19:24	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0062	0.00026	1	8260B	11/9/15 19:24	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0062	0.00021	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0062	0.00026	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0062	0.00028	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0062	0.00024	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0062	0.00025	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.012	0.00057	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.062	0.00056	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.12	0.00056	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.062	0.00053	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0062	0.00035	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.012	0.00020	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.012	0.00020	1	8260B	11/9/15 19:24	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0062	0.00032	1	8260B	11/9/15 19:24	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0062	0.00025	1	8260B	11/9/15 19:24	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-6 (2-4)
Prism Sample ID: 5110135-05
Prism Work Order: 5110135
Time Collected: 11/05/15 14:25
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Styrene	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
tert-Butylbenzene	BRL	mg/kg dry	0.0062	0.00021	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0062	0.00036	1	8260B	11/9/15 19:24	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0062	0.00037	1	8260B	11/9/15 19:24	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0062	0.00033	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0062	0.00040	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0062	0.00040	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Vinyl acetate	BRL	mg/kg dry	0.031	0.00085	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0062	0.00030	1	8260B	11/9/15 19:24	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.019	0.0012	1	8260B	11/9/15 19:24	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*86 %*	*70-130*
Dibromofluoromethane	*107 %*	*84-123*
Toluene-d8	*89 %*	*76-129*

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (0-1)
Prism Sample ID: 5110135-06
Prism Work Order: 5110135
Time Collected: 11/05/15 11:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.6**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.063	0.0059	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1221	BRL	mg/kg dry	0.13	0.050	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1232	BRL	mg/kg dry	0.13	0.016	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1242	BRL	mg/kg dry	0.063	0.017	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1248	BRL	mg/kg dry	0.063	0.013	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1254	BRL	mg/kg dry	0.063	0.016	1	8082A	11/13/15 4:44	JMC	P5K0219
Aroclor 1260	BRL	mg/kg dry	0.063	0.0087	1	8082A	11/13/15 4:44	JMC	P5K0219
			Surrogate			Recovery	Control Limits		
			Tetrachloro-m-xylene			*63 %*	*36-182*		
			Decachlorobiphenyl			*82 %*	*34-182*		
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.41	0.065	1	8270D	11/10/15 13:41	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.41	0.063	1	8270D	11/10/15 13:41	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.41	0.058	1	8270D	11/10/15 13:41	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.41	0.060	1	8270D	11/10/15 13:41	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.41	0.080	1	8270D	11/10/15 13:41	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.41	0.078	1	8270D	11/10/15 13:41	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.41	0.080	1	8270D	11/10/15 13:41	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.41	0.063	1	8270D	11/10/15 13:41	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.41	0.058	1	8270D	11/10/15 13:41	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.41	0.050	1	8270D	11/10/15 13:41	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.41	0.055	1	8270D	11/10/15 13:41	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.41	0.060	1	8270D	11/10/15 13:41	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.41	0.059	1	8270D	11/10/15 13:41	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.41	0.066	1	8270D	11/10/15 13:41	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.41	0.053	1	8270D	11/10/15 13:41	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.41	0.075	1	8270D	11/10/15 13:41	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.41	0.082	1	8270D	11/10/15 13:41	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.41	0.051	1	8270D	11/10/15 13:41	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.41	0.062	1	8270D	11/10/15 13:41	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.41	0.071	1	8270D	11/10/15 13:41	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.41	0.058	1	8270D	11/10/15 13:41	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.41	0.050	1	8270D	11/10/15 13:41	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.41	0.054	1	8270D	11/10/15 13:41	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.41	0.064	1	8270D	11/10/15 13:41	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.41	0.056	1	8270D	11/10/15 13:41	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.41	0.060	1	8270D	11/10/15 13:41	JMV	P5K0151
Anthracene	BRL	mg/kg dry	0.41	0.067	1	8270D	11/10/15 13:41	JMV	P5K0151
Azobenzene	BRL	mg/kg dry	0.41	0.055	1	8270D	11/10/15 13:41	JMV	P5K0151

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (0-1)
Prism Sample ID: 5110135-06
Prism Work Order: 5110135
Time Collected: 11/05/15 11:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(a)anthracene	BRL	mg/kg dry	0.41	0.054	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzo(a)pyrene	BRL	mg/kg dry	0.41	0.045	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzo(b)fluoranthene	BRL	mg/kg dry	0.41	0.048	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.41	0.045	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzo(k)fluoranthene	BRL	mg/kg dry	0.41	0.054	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzoic Acid	BRL	mg/kg dry	0.41	0.035	1	8270D	11/10/15 13:41	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.41	0.054	1	8270D	11/10/15 13:41	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.41	0.072	1	8270D	11/10/15 13:41	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.41	0.058	1	8270D	11/10/15 13:41	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.41	0.071	1	8270D	11/10/15 13:41	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.41	0.061	1	8270D	11/10/15 13:41	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.41	0.059	1	8270D	11/10/15 13:41	JMV	P5K0151
Chrysene	BRL	mg/kg dry	0.41	0.052	1	8270D	11/10/15 13:41	JMV	P5K0151
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.41	0.050	1	8270D	11/10/15 13:41	JMV	P5K0151
Dibenzofuran	BRL	mg/kg dry	0.41	0.063	1	8270D	11/10/15 13:41	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.41	0.057	1	8270D	11/10/15 13:41	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.41	0.055	1	8270D	11/10/15 13:41	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.41	0.059	1	8270D	11/10/15 13:41	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.41	0.051	1	8270D	11/10/15 13:41	JMV	P5K0151
Fluoranthene	BRL	mg/kg dry	0.41	0.053	1	8270D	11/10/15 13:41	JMV	P5K0151
Fluorene	BRL	mg/kg dry	0.41	0.059	1	8270D	11/10/15 13:41	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.41	0.066	1	8270D	11/10/15 13:41	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.41	0.074	1	8270D	11/10/15 13:41	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.41	0.074	1	8270D	11/10/15 13:41	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.41	0.069	1	8270D	11/10/15 13:41	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.41	0.047	1	8270D	11/10/15 13:41	JMV	P5K0151
Isophorone	BRL	mg/kg dry	0.41	0.056	1	8270D	11/10/15 13:41	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.41	0.067	1	8270D	11/10/15 13:41	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.41	0.059	1	8270D	11/10/15 13:41	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.41	0.065	1	8270D	11/10/15 13:41	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.41	0.063	1	8270D	11/10/15 13:41	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.41	0.049	1	8270D	11/10/15 13:41	JMV	P5K0151
Phenanthrene	BRL	mg/kg dry	0.41	0.054	1	8270D	11/10/15 13:41	JMV	P5K0151
Phenol	BRL	mg/kg dry	0.41	0.061	1	8270D	11/10/15 13:41	JMV	P5K0151
Pyrene	BRL	mg/kg dry	0.41	0.055	1	8270D	11/10/15 13:41	JMV	P5K0151

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*76 %*	*39-132*
2-Fluorobiphenyl	*74 %*	*44-115*
2-Fluorophenol	*70 %*	*35-115*
Nitrobenzene-d5	*67 %*	*37-122*
Phenol-d5	*69 %*	*34-121*
Terphenyl-d14	*75 %*	*54-127*

Total Metals

ATC Group Services, LLC
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (0-1)
Prism Sample ID: 5110135-06
Prism Work Order: 5110135
Time Collected: 11/05/15 11:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aluminum	**38000**	**mg/kg dry**	**640**	**86**	**200**	***6010C**	**11/12/15 18:03**	**BGM**	**P5K0149**
Mercury	**0.057**	**mg/kg dry**	**0.026**	**0.0017**	**1**	***7471B**	**11/9/15 13:16**	**JAB**	**P5K0150**
Antimony	**9.4**	**mg/kg dry**	**0.32**	**0.050**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Arsenic	**29**	**mg/kg dry**	**0.32**	**0.071**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Barium	**96**	**mg/kg dry**	**0.64**	**0.34**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Beryllium	**31**	**mg/kg dry**	**0.32**	**0.011**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Cadmium	**27**	**mg/kg dry**	**0.32**	**0.0068**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Calcium	**930**	**mg/kg dry**	**13**	**0.83**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Chromium	**55**	**mg/kg dry**	**0.32**	**0.043**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Cobalt	**58**	**mg/kg dry**	**0.32**	**0.0099**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Copper	**86**	**mg/kg dry**	**0.64**	**0.11**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Iron	**54000**	**mg/kg dry**	**1300**	**370**	**200**	***6010C**	**11/12/15 18:03**	**BGM**	**P5K0149**
Lead	**37**	**mg/kg dry**	**0.32**	**0.034**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Magnesium	**1300**	**mg/kg dry**	**640**	**69**	**200**	***6010C**	**11/12/15 18:03**	**BGM**	**P5K0149**
Manganese	**500**	**mg/kg dry**	**64**	**12**	**200**	***6010C**	**11/12/15 18:03**	**BGM**	**P5K0149**
Nickel	**42**	**mg/kg dry**	**0.64**	**0.060**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Potassium	**1700**	**mg/kg dry**	**16**	**1.6**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Selenium	**21**	**mg/kg dry**	**0.64**	**0.046**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Silver	**11**	**mg/kg dry**	**0.32**	**0.0052**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Sodium	**670**	**mg/kg dry**	**19**	**0.66**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Thallium	**25**	**mg/kg dry**	**0.64**	**0.046**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Vanadium	**150**	**mg/kg dry**	**0.32**	**0.011**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Zinc	**91**	**mg/kg dry**	**3.2**	**0.039**	**1**	***6010C**	**11/10/15 1:20**	**BGM**	**P5K0149**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00036	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0044	0.00030	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0044	0.00039	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0044	0.00012	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00024	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0044	0.00056	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00034	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2-Dibromoethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00027	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0044	0.00033	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00029	1	8260B	11/9/15 19:55	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0044	0.00022	1	8260B	11/9/15 19:55	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (0-1)
Prism Sample ID: 5110135-06
Prism Work Order: 5110135
Time Collected: 11/05/15 11:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	11/9/15 19:55	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	11/9/15 19:55	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Acetone	BRL	mg/kg dry	0.044	0.0011	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Benzene	BRL	mg/kg dry	0.0026	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0044	0.00037	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0044	0.00024	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0044	0.00025	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0044	0.00050	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.0088	0.00054	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0044	0.00022	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.0088	0.00037	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0044	0.00032	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0044	0.00030	1	8260B	11/9/15 19:55	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00019	1	8260B	11/9/15 19:55	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0044	0.00018	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0044	0.00020	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0044	0.00017	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0044	0.00018	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.0088	0.00041	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.044	0.00040	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.088	0.00040	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.044	0.00037	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0044	0.00025	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.0088	0.00014	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.0088	0.00014	1	8260B	11/9/15 19:55	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0044	0.00022	1	8260B	11/9/15 19:55	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0044	0.00018	1	8260B	11/9/15 19:55	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Styrene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
tert-Butylbenzene	BRL	mg/kg dry	0.0044	0.00015	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0044	0.00025	1	8260B	11/9/15 19:55	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0044	0.00026	1	8260B	11/9/15 19:55	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0044	0.00023	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0044	0.00028	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0044	0.00028	1	8260B	11/9/15 19:55	MW&C(	P5K0168

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (0-1)
Prism Sample ID: 5110135-06
Prism Work Order: 5110135
Time Collected: 11/05/15 11:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	mg/kg dry	0.022	0.00060	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0044	0.00021	1	8260B	11/9/15 19:55	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.013	0.00082	1	8260B	11/9/15 19:55	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*89 %*	*70-130*
Dibromofluoromethane	*110 %*	*84-123*
Toluene-d8	*85 %*	*76-129*

ATC Group Services, LLC
Attn: Christine Schaefer
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Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (2-4)
Prism Sample ID: 5110135-07
Prism Work Order: 5110135
Time Collected: 11/05/15 11:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
General Chemistry Parameters									
% Solids	**79.2**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.063	0.0059	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1221	BRL	mg/kg dry	0.13	0.050	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1232	BRL	mg/kg dry	0.13	0.016	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1242	BRL	mg/kg dry	0.063	0.017	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1248	BRL	mg/kg dry	0.063	0.013	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1254	BRL	mg/kg dry	0.063	0.016	1	8082A	11/13/15 5:26	JMC	P5K0219
Aroclor 1260	BRL	mg/kg dry	0.063	0.0087	1	8082A	11/13/15 5:26	JMC	P5K0219
			Surrogate			Recovery	Control Limits		
			Tetrachloro-m-xylene			*61 %*	*36-182*		
			Decachlorobiphenyl			*102 %*	*34-182*		
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 14:04	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:04	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 14:04	JMV	P5K0151
1-Methylnaphthalene	**0.11 J**	**mg/kg dry**	**0.42**	**0.080**	**1**	**8270D**	**11/10/15 14:04**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.078	1	8270D	11/10/15 14:04	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.081	1	8270D	11/10/15 14:04	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 14:04	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 14:04	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:04	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:04	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
2-Methylnaphthalene	**0.15 J**	**mg/kg dry**	**0.42**	**0.067**	**1**	**8270D**	**11/10/15 14:04**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.053	1	8270D	11/10/15 14:04	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 14:04	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 14:04	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:04	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:04	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 14:04	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 14:04	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 14:04	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 14:04	JMV	P5K0151
4-Nitrophenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 14:04	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 14:04	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:04	JMV	P5K0151
Anthracene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 14:04	JMV	P5K0151
Azobenzene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151

ATC Group Services, LLC
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (2-4)
Prism Sample ID: 5110135-07
Prism Work Order: 5110135
Time Collected: 11/05/15 11:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Benzo(a)anthracene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzo(a)pyrene	BRL	mg/kg dry	0.42	0.045	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzo(b)fluoranthene	BRL	mg/kg dry	0.42	0.048	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.42	0.046	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzo(k)fluoranthene	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzoic Acid	BRL	mg/kg dry	0.42	0.035	1	8270D	11/10/15 14:04	JMV	P5K0151
Benzyl alcohol	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 14:04	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 14:04	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 14:04	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
Chrysene	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 14:04	JMV	P5K0151
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:04	JMV	P5K0151
Dibenzofuran	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:04	JMV	P5K0151
Diethyl phthalate	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 14:04	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 14:04	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 14:04	JMV	P5K0151
Fluoranthene	**0.12 J**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 14:04**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 14:04	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 14:04	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 14:04	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.074	1	8270D	11/10/15 14:04	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.070	1	8270D	11/10/15 14:04	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.42	0.048	1	8270D	11/10/15 14:04	JMV	P5K0151
Isophorone	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 14:04	JMV	P5K0151
Naphthalene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 14:04	JMV	P5K0151
Nitrobenzene	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 14:04	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 14:04	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 14:04	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.049	1	8270D	11/10/15 14:04	JMV	P5K0151
Phenanthrene	**0.15 J**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 14:04**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 14:04	JMV	P5K0151
Pyrene	**0.12 J**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 14:04**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*91 %*	*39-132*
2-Fluorobiphenyl	*87 %*	*44-115*
2-Fluorophenol	*82 %*	*35-115*
Nitrobenzene-d5	*77 %*	*37-122*
Phenol-d5	*83 %*	*34-121*
Terphenyl-d14	*89 %*	*54-127*

Total Metals

ATC Group Services, LLC
Attn: Christine Schaefer
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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (2-4)
Prism Sample ID: 5110135-07
Prism Work Order: 5110135
Time Collected: 11/05/15 11:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Aluminum	**41000**	**mg/kg dry**	**640**	**87**	**200**	***6010C**	**11/12/15 18:09**	**BGM**	**P5K0149**
Mercury	**0.066**	**mg/kg dry**	**0.024**	**0.0016**	**1**	***7471B**	**11/9/15 13:21**	**JAB**	**P5K0150**
Antimony	**9.9**	**mg/kg dry**	**0.32**	**0.050**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Arsenic	**28**	**mg/kg dry**	**0.32**	**0.071**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Barium	**78**	**mg/kg dry**	**0.64**	**0.34**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Beryllium	**31**	**mg/kg dry**	**0.32**	**0.011**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Cadmium	**27**	**mg/kg dry**	**0.32**	**0.0068**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Calcium	**630**	**mg/kg dry**	**13**	**0.83**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Chromium	**57**	**mg/kg dry**	**0.32**	**0.044**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Cobalt	**78**	**mg/kg dry**	**0.32**	**0.010**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Copper	**90**	**mg/kg dry**	**0.64**	**0.11**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Iron	**53000**	**mg/kg dry**	**1300**	**370**	**200**	***6010C**	**11/12/15 18:09**	**BGM**	**P5K0149**
Lead	**38**	**mg/kg dry**	**0.32**	**0.034**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Magnesium	**1600**	**mg/kg dry**	**3.2**	**0.35**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Manganese	**480**	**mg/kg dry**	**64**	**12**	**200**	***6010C**	**11/12/15 18:09**	**BGM**	**P5K0149**
Nickel	**40**	**mg/kg dry**	**0.64**	**0.060**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Potassium	**1400**	**mg/kg dry**	**16**	**1.6**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Selenium	**22**	**mg/kg dry**	**0.64**	**0.047**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Silver	**11**	**mg/kg dry**	**0.32**	**0.0053**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Sodium	**670**	**mg/kg dry**	**19**	**0.56**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Thallium	**25**	**mg/kg dry**	**0.64**	**0.046**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Vanadium	**160**	**mg/kg dry**	**0.32**	**0.011**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Zinc	**91**	**mg/kg dry**	**3.2**	**0.039**	**1**	***6010C**	**11/10/15 1:28**	**BGM**	**P5K0149**
Volatile Organic Compounds by GC/MS									
1,1,1,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00044	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1,1-Trichloroethane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1,2,2-Tetrachloroethane	BRL	mg/kg dry	0.0054	0.00037	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1,2-Trichloroethane	BRL	mg/kg dry	0.0054	0.00048	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1-Dichloroethane	BRL	mg/kg dry	0.0054	0.00015	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00024	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,1-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2,3-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2,3-Trichloropropane	BRL	mg/kg dry	0.0054	0.00069	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.0054	0.00040	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2,4-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2-Dibromoethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00025	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2-Dichloroethane	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00034	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,3,5-Trimethylbenzene	BRL	mg/kg dry	0.0054	0.00041	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,3-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/9/15 20:27	MW&C(	P5K0168
1,3-Dichloropropane	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/9/15 20:27	MW&C(	P5K0168

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (2-4)
Prism Sample ID: 5110135-07
Prism Work Order: 5110135
Time Collected: 11/05/15 11:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
1,4-Dichlorobenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/9/15 20:27	MW&C(	P5K0168
2,2-Dichloropropane	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
2-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/9/15 20:27	MW&C(	P5K0168
4-Chlorotoluene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/9/15 20:27	MW&C(	P5K0168
4-Isopropyltoluene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Acetone	BRL	mg/kg dry	0.054	0.0013	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Benzene	BRL	mg/kg dry	0.0032	0.00031	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Bromobenzene	BRL	mg/kg dry	0.0054	0.00045	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Bromochloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Bromodichloromethane	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Bromoform	BRL	mg/kg dry	0.0054	0.00061	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Bromomethane	BRL	mg/kg dry	0.011	0.00067	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Carbon Tetrachloride	BRL	mg/kg dry	0.0054	0.00027	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Chlorobenzene	BRL	mg/kg dry	0.0054	0.00029	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Chloroethane	BRL	mg/kg dry	0.011	0.00045	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Chloroform	BRL	mg/kg dry	0.0054	0.00039	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Chloromethane	BRL	mg/kg dry	0.0054	0.00036	1	8260B	11/9/15 20:27	MW&C(	P5K0168
cis-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00023	1	8260B	11/9/15 20:27	MW&C(	P5K0168
cis-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Dibromochloromethane	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Dichlorodifluoromethane	BRL CCV	mg/kg dry	0.0054	0.00025	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Ethylbenzene	BRL	mg/kg dry	0.0054	0.00021	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Isopropyl Ether	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Isopropylbenzene (Cumene)	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/9/15 20:27	MW&C(	P5K0168
m,p-Xylenes	BRL	mg/kg dry	0.011	0.00050	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Methyl Butyl Ketone (2-Hexanone)	BRL	mg/kg dry	0.054	0.00049	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Methyl Ethyl Ketone (2-Butanone)	BRL	mg/kg dry	0.11	0.00049	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Methyl Isobutyl Ketone	BRL	mg/kg dry	0.054	0.00046	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Methylene Chloride	BRL	mg/kg dry	0.0054	0.00030	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Methyl-tert-Butyl Ether	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Naphthalene	BRL	mg/kg dry	0.011	0.00017	1	8260B	11/9/15 20:27	MW&C(	P5K0168
n-Butylbenzene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/9/15 20:27	MW&C(	P5K0168
n-Propylbenzene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/9/15 20:27	MW&C(	P5K0168
o-Xylene	BRL	mg/kg dry	0.0054	0.00022	1	8260B	11/9/15 20:27	MW&C(	P5K0168
sec-Butylbenzene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Styrene	BRL	mg/kg dry	0.0054	0.00033	1	8260B	11/9/15 20:27	MW&C(	P5K0168
tert-Butylbenzene	BRL	mg/kg dry	0.0054	0.00018	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Tetrachloroethylene	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Toluene	BRL	mg/kg dry	0.0054	0.00031	1	8260B	11/9/15 20:27	MW&C(	P5K0168
trans-1,2-Dichloroethylene	BRL	mg/kg dry	0.0054	0.00032	1	8260B	11/9/15 20:27	MW&C(	P5K0168
trans-1,3-Dichloropropylene	BRL	mg/kg dry	0.0054	0.00028	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Trichloroethylene	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Trichlorofluoromethane	BRL	mg/kg dry	0.0054	0.00035	1	8260B	11/9/15 20:27	MW&C(	P5K0168

ATC Group Services, LLC
Attn: Christine Schaefer
7606 Whitehall Executive Center Drive, Suite
Charlotte, NC 28273

Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-7 (2-4)
Prism Sample ID: 5110135-07
Prism Work Order: 5110135
Time Collected: 11/05/15 11:10
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Vinyl acetate	BRL	mg/kg dry	0.027	0.00074	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Vinyl chloride	BRL	mg/kg dry	0.0054	0.00026	1	8260B	11/9/15 20:27	MW&C(	P5K0168
Xylenes, total	BRL	mg/kg dry	0.016	0.0010	1	8260B	11/9/15 20:27	MW&C(	P5K0168

Surrogate	Recovery	Control Limits
4-Bromofluorobenzene	*87 %*	*70-130*
Dibromofluoromethane	*107 %*	*84-123*
Toluene-d8	*84 %*	*76-129*

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-8 (0-1)
Prism Sample ID: 5110135-08
Prism Work Order: 5110135
Time Collected: 11/05/15 11:50
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	**63**	**mg/kg dry**	**27**	**3.4**	**1**	***8015C**	**11/12/15 20:32**	**ZRC**	**P5K0200**
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*54 %*		*49-124*	
General Chemistry Parameters									
% Solids	**77.9**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.064	0.0060	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1221	BRL	mg/kg dry	0.13	0.051	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1232	BRL	mg/kg dry	0.13	0.017	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1242	BRL	mg/kg dry	0.064	0.017	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1248	BRL	mg/kg dry	0.064	0.013	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1254	BRL	mg/kg dry	0.064	0.016	1	8082A	11/19/15 7:51	JMC	P5K0219
Aroclor 1260	BRL	mg/kg dry	0.064	0.0088	1	8082A	11/19/15 7:51	JMC	P5K0219
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			*48 %*		*36-182*	
			Decachlorobiphenyl			*70 %*		*34-182*	
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.42	0.066	1	8270D	11/10/15 18:57	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:57	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 18:57	JMV	P5K0151
1-Methylnaphthalene	**0.48**	**mg/kg dry**	**0.42**	**0.082**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.42	0.079	1	8270D	11/10/15 18:57	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.42	0.082	1	8270D	11/10/15 18:57	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 18:57	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:57	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 18:57	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 18:57	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:57	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
2-Methylnaphthalene	**0.63**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
2-Methylphenol	BRL	mg/kg dry	0.42	0.054	1	8270D	11/10/15 18:57	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.42	0.077	1	8270D	11/10/15 18:57	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.42	0.084	1	8270D	11/10/15 18:57	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 18:57	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:57	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 18:57	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.42	0.059	1	8270D	11/10/15 18:57	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.42	0.051	1	8270D	11/10/15 18:57	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.42	0.055	1	8270D	11/10/15 18:57	JMV	P5K0151

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-8 (0-1)
Prism Sample ID: 5110135-08
Prism Work Order: 5110135
Time Collected: 11/05/15 11:50
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
4-Nitrophenol	BRL	mg/kg dry	0.42	0.065	1	8270D	11/10/15 18:57	JMV	P5K0151
Acenaphthene	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 18:57	JMV	P5K0151
Acenaphthylene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:57	JMV	P5K0151
Anthracene	BRL	mg/kg dry	0.42	0.068	1	8270D	11/10/15 18:57	JMV	P5K0151
Azobenzene	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 18:57	JMV	P5K0151
Benzo(a)anthracene	**0.22 J**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Benzo(a)pyrene	**0.17 J**	**mg/kg dry**	**0.42**	**0.046**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Benzo(b)fluoranthene	**0.29 J**	**mg/kg dry**	**0.42**	**0.049**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Benzo(g,h,i)perylene	BRL	mg/kg dry	0.42	0.046	1	8270D	11/10/15 18:57	JMV	P5K0151
Benzo(k)fluoranthene	**0.11 J**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Benzoic Acid	**0.30 J**	**mg/kg dry**	**0.42**	**0.036**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Benzyl alcohol	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 18:57	JMV	P5K0151
bis(2-Chloroethoxy)methane	BRL	mg/kg dry	0.42	0.073	1	8270D	11/10/15 18:57	JMV	P5K0151
Bis(2-Chloroethyl)ether	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
Bis(2-chloroisopropyl)ether	BRL	mg/kg dry	0.42	0.072	1	8270D	11/10/15 18:57	JMV	P5K0151
Bis(2-Ethylhexyl)phthalate	BRL	mg/kg dry	0.42	0.063	1	8270D	11/10/15 18:57	JMV	P5K0151
Butyl benzyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
Chrysene	**0.25 J**	**mg/kg dry**	**0.42**	**0.053**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Dibenzo(a,h)anthracene	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 18:57	JMV	P5K0151
Dibenzofuran	**0.17 J**	**mg/kg dry**	**0.42**	**0.064**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Diethyl phthalate	BRL	mg/kg dry	0.42	0.058	1	8270D	11/10/15 18:57	JMV	P5K0151
Dimethyl phthalate	BRL	mg/kg dry	0.42	0.056	1	8270D	11/10/15 18:57	JMV	P5K0151
Di-n-butyl phthalate	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
Di-n-octyl phthalate	BRL	mg/kg dry	0.42	0.052	1	8270D	11/10/15 18:57	JMV	P5K0151
Fluoranthene	**0.36 J**	**mg/kg dry**	**0.42**	**0.054**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Fluorene	BRL	mg/kg dry	0.42	0.061	1	8270D	11/10/15 18:57	JMV	P5K0151
Hexachlorobenzene	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 18:57	JMV	P5K0151
Hexachlorobutadiene	BRL	mg/kg dry	0.42	0.076	1	8270D	11/10/15 18:57	JMV	P5K0151
Hexachlorocyclopentadiene	BRL	mg/kg dry	0.42	0.075	1	8270D	11/10/15 18:57	JMV	P5K0151
Hexachloroethane	BRL	mg/kg dry	0.42	0.071	1	8270D	11/10/15 18:57	JMV	P5K0151
Indeno(1,2,3-cd)pyrene	BRL	mg/kg dry	0.42	0.049	1	8270D	11/10/15 18:57	JMV	P5K0151
Isophorone	BRL	mg/kg dry	0.42	0.057	1	8270D	11/10/15 18:57	JMV	P5K0151
Naphthalene	**0.47**	**mg/kg dry**	**0.42**	**0.068**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Nitrobenzene	BRL	mg/kg dry	0.42	0.060	1	8270D	11/10/15 18:57	JMV	P5K0151
N-Nitroso-di-n-propylamine	BRL	mg/kg dry	0.42	0.067	1	8270D	11/10/15 18:57	JMV	P5K0151
N-Nitrosodiphenylamine	BRL	mg/kg dry	0.42	0.064	1	8270D	11/10/15 18:57	JMV	P5K0151
Pentachlorophenol	BRL	mg/kg dry	0.42	0.050	1	8270D	11/10/15 18:57	JMV	P5K0151
Phenanthrene	**0.52**	**mg/kg dry**	**0.42**	**0.055**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**
Phenol	BRL	mg/kg dry	0.42	0.062	1	8270D	11/10/15 18:57	JMV	P5K0151
Pyrene	**0.33 J**	**mg/kg dry**	**0.42**	**0.056**	**1**	**8270D**	**11/10/15 18:57**	**JMV**	**P5K0151**

Surrogate	Recovery	Control Limits
2,4,6-Tribromophenol	*63 %*	*39-132*
2-Fluorobiphenyl	*65 %*	*44-115*

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-8 (0-1)
Prism Sample ID: 5110135-08
Prism Work Order: 5110135
Time Collected: 11/05/15 11:50
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
			2-Fluorophenol			*59 %*		*35-115*	
			Nitrobenzene-d5			*59 %*		*37-122*	
			Phenol-d5			*60 %*		*34-121*	
			Terphenyl-d14			*66 %*		*54-127*	

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Project: Kesler Mill (Brownfield)

Sample Matrix: Solid

Client Sample ID: GW-8 (4-6)
Prism Sample ID: 5110135-09
Prism Work Order: 5110135
Time Collected: 11/05/15 12:00
Time Submitted: 11/06/15 09:50

Parameter	Result	Units	Report Limit	MDL	Dilution Factor	Method	Analysis Date/Time	Analyst	Batch ID
Diesel Range Organics by GC/FID									
Diesel Range Organics	BRL	mg/kg dry	9.6	1.2	1	*8015C	11/12/15 22:23	ZRC	P5K0200
			Surrogate			Recovery		Control Limits	
			o-Terphenyl			*50 %*		*49-124*	
General Chemistry Parameters									
% Solids	**72.8**	**% by Weight**	**0.100**	**0.100**	**1**	***SM2540 G**	**11/9/15 14:45**	**ARC**	**P5K0169**
Polychlorinated Biphenyls (PCBs) by GC/ECD									
Aroclor 1016	BRL	mg/kg dry	0.069	0.0064	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1221	BRL	mg/kg dry	0.14	0.055	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1232	BRL	mg/kg dry	0.14	0.018	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1242	BRL	mg/kg dry	0.069	0.018	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1248	BRL	mg/kg dry	0.069	0.014	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1254	BRL	mg/kg dry	0.069	0.017	1	8082A	11/13/15 6:51	JMC	P5K0219
Aroclor 1260	BRL	mg/kg dry	0.069	0.0095	1	8082A	11/13/15 6:51	JMC	P5K0219
			Surrogate			Recovery		Control Limits	
			Tetrachloro-m-xylene			*62 %*		*36-182*	
			Decachlorobiphenyl			*88 %*		*34-182*	
Semivolatile Organic Compounds by GC/MS									
1,2,4-Trichlorobenzene	BRL	mg/kg dry	0.45	0.071	1	8270D	11/10/15 14:49	JMV	P5K0151
1,2-Dichlorobenzene	BRL	mg/kg dry	0.45	0.069	1	8270D	11/10/15 14:49	JMV	P5K0151
1,3-Dichlorobenzene	BRL	mg/kg dry	0.45	0.064	1	8270D	11/10/15 14:49	JMV	P5K0151
1,4-Dichlorobenzene	BRL	mg/kg dry	0.45	0.066	1	8270D	11/10/15 14:49	JMV	P5K0151
1-Methylnaphthalene	BRL	mg/kg dry	0.45	0.087	1	8270D	11/10/15 14:49	JMV	P5K0151
2,4,6-Trichlorophenol	BRL	mg/kg dry	0.45	0.085	1	8270D	11/10/15 14:49	JMV	P5K0151
2,4-Dichlorophenol	BRL	mg/kg dry	0.45	0.087	1	8270D	11/10/15 14:49	JMV	P5K0151
2,4-Dimethylphenol	BRL	mg/kg dry	0.45	0.069	1	8270D	11/10/15 14:49	JMV	P5K0151
2,4-Dinitrophenol	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 14:49	JMV	P5K0151
2,4-Dinitrotoluene	BRL	mg/kg dry	0.45	0.055	1	8270D	11/10/15 14:49	JMV	P5K0151
2,6-Dinitrotoluene	BRL	mg/kg dry	0.45	0.060	1	8270D	11/10/15 14:49	JMV	P5K0151
2-Chloronaphthalene	BRL	mg/kg dry	0.45	0.066	1	8270D	11/10/15 14:49	JMV	P5K0151
2-Chlorophenol	BRL	mg/kg dry	0.45	0.064	1	8270D	11/10/15 14:49	JMV	P5K0151
2-Methylnaphthalene	BRL	mg/kg dry	0.45	0.072	1	8270D	11/10/15 14:49	JMV	P5K0151
2-Methylphenol	BRL	mg/kg dry	0.45	0.058	1	8270D	11/10/15 14:49	JMV	P5K0151
2-Nitrophenol	BRL	mg/kg dry	0.45	0.082	1	8270D	11/10/15 14:49	JMV	P5K0151
3,3'-Dichlorobenzidine	BRL	mg/kg dry	0.45	0.089	1	8270D	11/10/15 14:49	JMV	P5K0151
3/4-Methylphenol	BRL	mg/kg dry	0.45	0.056	1	8270D	11/10/15 14:49	JMV	P5K0151
4,6-Dinitro-2-methylphenol	BRL	mg/kg dry	0.45	0.068	1	8270D	11/10/15 14:49	JMV	P5K0151
4-Bromophenyl phenyl ether	BRL	mg/kg dry	0.45	0.078	1	8270D	11/10/15 14:49	JMV	P5K0151
4-Chloro-3-methylphenol	BRL	mg/kg dry	0.45	0.063	1	8270D	11/10/15 14:49	JMV	P5K0151
4-Chloroaniline	BRL	mg/kg dry	0.45	0.054	1	8270D	11/10/15 14:49	JMV	P5K0151
4-Chlorophenyl phenyl ether	BRL	mg/kg dry	0.45	0.059	1	8270D	11/10/15 14:49	JMV	P5K0151